Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

September 22, 1958

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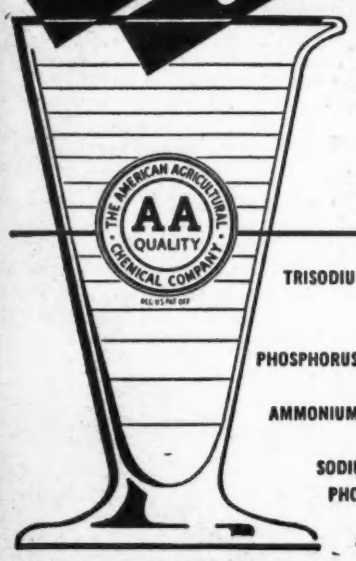

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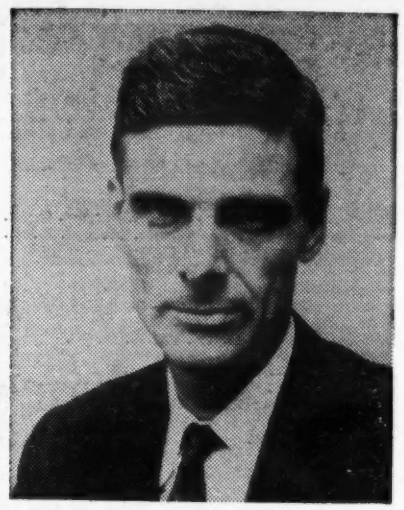

AIRCO CHEMICAL SALES MANAGERS: Gordon E. Cole (left), named manager of general sales for Air Reduction Chemical Company, New York. Charles O. Herman (right), appointed manager of technical sales. In his new post Mr. Cole will expand and regionalize the company's field sales force. Mr. Herman's new job includes new product development and customer application work at the technical sales service laboratory in Bound Brook, N. J.

Antibiotics Trust Case Moves To Second Stage as Producers Ask FTC for Further Details

The government's antitrust action against the antibiotics industry has reached its second plateau. Amid denials of any wrongdoing to charges leveled by the Federal Trade Commission last month, the industry is demanding that FTC be more specific on the law violations alleged before going on with the case. Motions were on file last week from each of the six defendant companies asking for "bills of particular" on which to base their defense.

The firms are: American Cyanamid Company, New York; Bristol-Myers Company, New York; Bristol Laboratories, Inc., Syracuse,N. Y.; Olin Mathieson Chemical Corporation, New York; Chas. Pfizer & Co., Brooklyn, N. Y., and the Upjohn Company, Kalamazoo, Mich.

The motions were filed with Frank Hier, examiner appointed by the commission to preside over the case. Mr. Hier is expected to rule on the requests sometime after FTC's counsel has had an opportunity to reply to the motions.

Decision Before October 2 Uncertain

The final date for filing answers to the commission's complaint is October 2, but whether a decision on the motions for bills of particular will be made prior to that time is uncertain now.

Upjohn and Olin Mathieson have filed answers to the commission's complaint, denying the charges made. They informed the commission that they were without knowledge of any conspiracy to monopolize the antibiotics industry and asked that the complaint be dismissed.

In the motions for the bills of particular each of the companies insisted that the complaint as drawn fails to inform them with reasonable certainty of the legal violations with which they are charged and, therefore, they are unable to prepare adequately concise and specific answers.

They are concerned particularly with paragraphs 9 and 10 of the complaint

—Continued on page 58

MARKETING VICE-PRESIDENT: Harry B. Warner, who will become marketing vice-president for B. F. Goodrich Chemical Company, Cleveland, Ohio, on October 1.

CSC Official Forgets Recession, Sees Only Good Business Ahead

W. Ward Jackson has no further thoughts of a recession. The Commercial Solvents Corporation executive has turned his eye to 1959 and all he can see ahead are high rates of production and sales. He points out that there has been a substantial pick-up in most chemical lines during the last three months and adds that the general feeling among those in the chemical business is that the last quarter will show considerable strength.

INT'L DIVISION VICE-PRESIDENT: Dr. J. Ross Tuttle, appointed vice-president of its international division by Allied Chemical Corporation, New York.

Mr. Jackson, who is vice-president in charge of sales for the big New York-headquartered company, took his look into the future during the sixth annual marketing conference of the National Industrial Conference Board, held in New York last week.

Important Things Foreseen

Here are two of the most important things Mr. Jackson foresees:

- Chemical sales will be up at least 10 percent for 1959.
- Profits in most areas will improve definitely but at a lower rate.

Mr. Jackson went on to say that the chemical industry is an excellent barometer for future business conditions. He pointed to the sudden up-turn in the explosives field, adding that more explosives mean more mining, more mining means more steel and more steel means more hard goods in the next six to twelve months.

The Commercial Solvents man said that small housing, road building and automobiles were among the recent reasons for an improvement in the chemical business.

He pointed out that steel should be back to 75 percent of capacity in 1959 and that military procurement is on the increase, with a return to stockpiling expected. Also on the horizon, he added, are a renewed confidence in consumer buying and a return to normal inventory practices.

Items in short supply, such as caprolactams, will improve the chemical picture with their new production, as will some other new products that are ready for introduction in 1959, Mr. Jackson continued.

He predicted that profits will increase

—Continued on page 46

Acetic Acid Expansion Is Slated by Celanese

Celanese Corporation of America is set to start a million dollar expansion program that will double the capacity of its acetic acid plant at Pampa, Tex. Work on the project will be completed late next year.

Richard W. KixMiller, Celanese vice-president and general manager of the company's chemical division, said addition of the new facilities will enable the Pampa plant to produce 240 million pounds a year, or 15 percent of the nation's total requirements for acetic acid.

Combined capacities of the Celanese plants at Pampa and Bishop, also in Texas, will give the company more than one-quarter of the nation's acetic acid capacity, it was said.

"Continuously expanding uses for this fundamental organic building block," Mr.

—Continued on page 40

Polyvinyl Acetate Facility Goes on Stream at Illiopolis

New facilities for the production of polyvinyl acetate beads have gone on stream at the Illiopolis, Ill., plant of Borden Chemical Company, New York.

Borden's, which also produces PVA beads at a plant in Leominster, Mass., says it expanded its Illinois facilities to meet an increasing demand for the product by manufacturers of hot-melt adhesives, printing inks, decorative coatings, lacquers, and can lining formulations.

Continental Oil Develops Primary Alcohol Process

Continental Oil Company's petrochemical department, Houston, Tex., has developed a new process for manufacturing straight-chain primary alcohols from petroleum. The new chemicals will be marketed by Conoco under the trade name "Alfol."

The "Alfols" range in chain length from six carbon atoms up through eighteen carbon atoms or higher if desired, according to Dr. John E. Kircher, general manager of the department.

Plans are now being made for the installation on a commercial-scale of multi-million-pound annual capacity for the manufacture of "Alfols." The facility is being designed on processing know-how developed by Conoco's scientists and engineers at Ponca City, Okla. It is based on earlier work done by Dr. Karl Ziegler, internationally known German scientist.

"Alfols" are expected to find use in the manufacture of such products as synthetic detergents, lubricating oil additives, plasticizers, cosmetics, emulsifiers, and paper and textile chemicals.

Carbide Will Build Units Two at a Time

Union Carbide Chemicals Company is going to build new units two at a time at its Seadrift, Tex., plant. They will produce esters and alcohols, with completion dates set for some time in 1960.

The New York-based division of Union Carbide Corporation said that combined capacity of the two units will exceed 100 million pounds. Design work is now in progress on both projects.

The units represent an expansion in capacity for manufacture of these materials, which are now produced by Carbide at other plant locations. They also represent a broadening of the line of products

—Continued on page 56

Baker Hikes Production Of USP Ferrous Sulfate

J. T. Baker Chemical Company, Phillipsburg, N. J., has increased its production facilities for making ferrous sulfate USP exsiccated.

The expansion move, an outgrowth of stepped-up demand from pharmaceutical manufacturers and makers of nutritional supplements, is expected by Baker to enable it to effect manufacturing economies which will permit present low price levels to be maintained.

Sherwin-Williams Opens Big Installation in Texas

Sherwin-Williams Company, Cleveland, Ohio, has just opened its big, new varnish and lacquer plant in Garland, Tex.

The installation, costing $4 million, will be known as the Garland-Dallas plant, replacing the former Sherwin-Williams factory in Dallas. It is said to be the largest paint, varnish and lacquer production unit in the south and the most modern in industry.

PMA Takes Stand—a Firm One—On Air Mail Changes

The Pharmaceutical Manufacturers Association, which has been opposing air mail restrictions on the shipment of etiologic agents for several weeks, has now taken the formal step to show just where it stands.

The trade group has just filed with the Post Office Department an emphatic letter setting forth its views on the proposed changes in air mail rules, in which it terms them a danger to the public health.

PMA's attitude was prompted by Post Office plans to close down air mail privileges to any product which the air lines specifically wish to exclude (OPD, 9/8/58). This, it has been pointed out in industry circles, would work hardships on the shippers of certain biologic materials such as cultures and viruses.

Noting in its letter that the department was making the change in its regulations "simply to support the arbitrary action of certain air cargo carriers in their embargo on shipment of etiologic agents," the association stated:

"We most emphatically oppose the adoption of this proposed regulation for such a purpose or the adoption of any regulation that increases limitations on or prevents the air transportation of etiologic agents, and therefore request you to withhold this proposed regulation from becoming effective at least until after an opportunity is given for all interested parties to be heard.

"Elimination or serious limitation of air mail of etiologic agents will result in delay in the identification of the source of

—Continued on page 46

Aspirin on the Grocer's Shelves Is Okayed in D.C. Court Ruling

Aspirin is a patent medicine, even though the patents have long since expired, and as such it can be sold in grocery stores and other places of business without pharmacists' supervision. So ruled Municipal Court Judge Harry L. Walker of the District of Columbia court last week in an interpretation of the D. C. pharmacy law. Because many states have laws similar to that of the district regulating the sales of drugs outside the drug stores, the ruling is believed to have national implications. The ruling could, it was pointed out, lead to enforcement policy changes on a widespread scale and open the door for new retail outlets of the aspirin manufacturers.

Judge Walker's ruling was on a test case instigated by Safeway Stores, Inc., last April when it, for the first time, stocked and offered packages of aspirin for sale in its retail outlets.

'Patent Medicines' an Exception

The D. C. pharmacy law forbids drug sales by persons other than registered pharmacists, but makes "patent medicines" an exception to the rule. On advice of the Board of Pharmacy, however, the Corporation Counsel's office has long held that aspirin is not an exempt product.

Judge Walker pointed out in his decision that both aspirin and its active ingredient, acetylsalicylic acid, were patented and therefore patent medicines when the statute was passed in 1906. The patents on acetylsalicylic acid expired in 1917, and Bayer Company lost its rights to the trademark "aspirin" in 1921.

The judge noted that the statute involved was designed for the primary purpose of protecting the public from the harmful effects of drugs and medicines by making such of them as were or might be harmful unavailable except those prescribed by a licensed physician and prepared and sold by or under the supervision of a licensed pharmacist.

But, he added, it is common knowledge that clerks in pharmacies sell aspirin tablets without any real or immediate supervision by a licensed pharmacist, while grocery stores are permitted by the Board of Pharmacy to stock and sell such prepackaged "home" remedies as "Bufferin," "Anacin" and "Fizrin," each of which contains aspirin.

Herbicide Plant Set By Stauffer Chemical

Stauffer Chemical Company has completed plans for the construction of an "Eptam" herbicide plant at Richmond, Cal. Building is to begin immediately, and the plant is expected to go on stream in January, the New York firm says.

The herbicide, chemically known as ethyl di-n-propylthiolcarbamate, was developed by the company's research laboratories in 1955. During the past three seasons, it has been made successively in laboratory, pilot plant and semi-commercial quantities. Stauffer plans to market it as an emulsifiable liquid (4 pounds per gallon) and in granular form (5 and 10 percent) for broadcast application.

Minerals Unit Set Up To Replace Old DMEA

An Office of Minerals Exploration has been set up in the Department of the Interior to carry out the provisions of a newly-passed law granting federal assistance in financing exploration for new or additional mineral reserves.

The new office succeeds the Defense Minerals Exploration Administration.

The exploration assistance program authorized by the new law is a continuation of the DMEA-type program which started in 1951 under the defense production act of 1950.

The DMEA program expired on June 30. The OME will also assume responsibility for the DMEA contracts still in force and for each project certified by the DMEA as a discovery or development. Congress

—*Continued on page 48*

US Steel Has Plans For Ammonium Sulfate

United States Steel Corporation, Pittsburgh, Pa., will begin marketing granular ammonium sulfate in a five-state area in the midwest sometime this fall.

The company is presently marketing the fertilizer in a fine crystalline and large crystalline form.

The granular form fertilizer will be sold for $3 more per ton, the company says. It is produced in the company's Gary, Ind., plant.

Rare Metals Available From Michigan Chemical

The rare earth metals—praesodymium, neodymium, terbium holmium, thulium, ytterbium and lutetium—are available in commercial quantities from Michigan Chemical Corporation, Saint Louis, Mich.

Other rare earth metals—gadolinium, dysprosium, erbium and yttrium—have been available from Michigan Chemical for about a year. Reception of these four metals by the nuclear and metallurgical industries and interest in the other high-purity "heavy" rare earth metals necessitated quantity production of the newly-added group, the firm says. Other rare earth metals such as europium and samarium will be available on a custom basis.

The Week's Price Changes

Aluminum Chloride, Amyris Oil, Mineral Orange Advanced. Snakeroot Oil, Sodium Sulfathiazole, Tankage Reduced.

Prices Advanced

Aluminum chloride, soln., 32°, 30c. per cwt. (p. 34).
Aluminum sulfate, iron-free, 25c. per cwt. (p. 34).
Amyris oil, 5c. per lb. (p. 47).
Caprie acid, 1c. per lb. (p. 54).
Coconut fatty acid, 1c. per lb. (p. 54).
Caprylic acid, 1c. per lb. (p. 54).
Copra, $2 per ton (p. 54).
Cottonseed oil, crude, ½c. per lb. (p. 54).
...fd., ½c. per lb.
Lauric acid, 1c. per lb. (p. 54).
Lead, ¼c. per lb. (p. 34).
Litharge, ¼c. per lb. (p. 50).
Lead, red, ¼c. per lb. (p. 50).
Linseed oil, 3/10c. per lb. (p. 54).
Linseed oil, acid, 3/10c. per lb. (p. 54).
Mineral orange, ¼c. per lb. (p. 50).
Myristic acid, 1c. per lb. (p. 54).
Paprika, Hungarian, 1c. per lb. (p. 47).
...slavian, 1c. per lb.
Pe...nut oil, crude, ¼c. per lb. (p. 54).
...ed., ¼c. per lb.
Soybean meal, $1 per ton (p. 54).

Prices Reduced

Dried blood, New York, 25c. per unit-ton (p. 41). Chicago, 50c. per unit-ton.
Greases, ¼c. per lb. (p. 54).
Lard, cash, ⅝c. per lb. (p. 54).
Oleo oil, ¼c. per lb. (p. 54).
Oleostearine, ¼c. per lb. (p. 54).
Snakeroot oil, $5 per lb. (p. 47).
Pepper, red, Japanese Hontaka, ½c. per lb. (p. 47).
Japanese Santaka, 1c. per lb.
g-Picoline, 40c. per lb. (p. 38).
Sodium sulfathiazole, NF X, 40c. per lb. (p. 43).
Tallow, edible, ½c. per lb (p. 54).
inedible, ¼c. per lb.
Tankage, New York, 25c. per unit-ton (p. 41). Chicago, 75c. per unit-ton
Tin, 5c. per lb. (p. 34).
Salts, 1.8c. to 2.9c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:

(100=1949 average)

Sept. 19, 1958	Sept. 12, 1958	Sept. 20, 1957
108.60	108.58	110.20

Potash Deliveries Show Slump

Deliveries of potash for agricultural purposes were down 5 percent during the fertilizer year ending in June, reports the American Potash Institute. In the United States, Canada, Cuba, Puerto Rico and Hawaii, deliveries by the eight American producers and importers totaled 3,392,569 tons of salts, containing an equivalent of 1,978,636 tons K_2O.

At the same time, figures for the first half of the year showed deliveries of 1,947,456 tons of salts, containing an equivalent of 1,141,611 tons K_2O. This represents a decrease of nearly 4 percent from the previous year.

Non-Agricultural Deliveries Down

Deliveries of potash for non-agricultural purposes during the first half amounted to 52,553 tons K_2O, a decrease of 16 percent under last year.

During the fertilizer year just ended, the continental United States took 1,838,292 tons K_2O; Canada, 86,516 tons; Cuba, 14,364 tons; Puerto Rico, 18,708 tons, and Hawaii, 20,756 tons.

These figures include imports of 235,141 tons K_2O for this period, an increase of 15 percent. Exports to other countries were 185,182 tons K_2O, a decrease of nearly 21 percent. Deliveries of potash for non-agricultural purposes amounted to 119,260 tons K_2O, a decrease of 3 percent.

Total deliveries for all purposes during the year were 3,898,978 tons of salts containing an equivalent of 2,283,078 tons K_2O, a decrease of 7 percent in salts and K_2O under the last year.

Gammapicoline Reduced

Reilly Tar & Chemical Corporation, Indianapolis, Ind., has reduced the price of g-picoline from $2 to $1.60 per pound in truckload of drums. Tankcar or tank truck price is $1.50. Both quotations are f.o.b. Indianapolis.

TECHNICAL SERVICE HEAD: Robert Habermehl, jr., appointed technical service director for Girdler catalysts by the chemical products division of Chemetron Corporation, Louisville, Ky.

Produce Exchange Elects

James A. O'Neill, vice-president of Continental Grain Company, has succeeded the late Samuel R. Strisik as president of the New York Produce Exchange.

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BRISTOL LABS VICE-PRESIDENT: Victor T. Johnson, appointed vice-president and director of marketing for Bristol Laboratories, Inc., Syracuse, N. Y., succeeding Richard A. Anderson who has resigned.

Chemical Growth Off As Dollars Go Abroad

The growth rate in the chemical process industries has diminished recently, but not because of any lack of capital. The money that might have been invested in industry here is being exported, largely because there are few profitable opportunities for expansion in new areas on the domestic scene.

That is the opinion of Dr. Ralph Landau, executive vice-president of Scientific Design Company, New York.

Speaking to the American Institute of Chemical Engineers in New York last week, Dr. Landau pointed out that competition in the United States has become extremely keen, with the re-appearance of price-cutting and the entrance of many non-chemical firms into chemical manufacturing.

Whenever a new or promising idea appears, many companies jump into it almost at once, Dr. Landau said. Most firms, he added, are looking for new ideas. As evidence, he said, his own company is besieged by requests for suggestions concerning new ideas of activity by companes in the chemical process industries.

New developments and their initial commercial exploitation are traditionally the way to counter competition and declining profit margins, and these are conspicuously hard to find; a company's own research is not sufficient to provide all the opportunities for new investment, said Dr. Landau.

Competition from abroad, continued Dr. Landau, is increasing as the chemical industry overseas continues to grow at an accelerated pace. Even Russia is now ap-

—Continued on page 51

Lead, Zinc Import Quotas Might Be Set Up This Week

Lead and zinc importers can soon expect further curbs that may set a precedent in trade policy.

News was allowed to leak out in Washington, D. C., last week that restrictions being prepared would impose specific quantity limitations, or, in other words, quotas. This would mark the first time quotas would be used on non-agricultural imports with the exception of the voluntary quota program set up for foreign oil.

To date, lead and zinc imports have been controlled through tariff manipulations. Washington sources suggest that the announcement of the curbs can be expected this week. One source even suggested that the announcement might be delivered by Sen. Arthur V. Watkins, who is struggling for re-election in his home mining state of Utah.

Chemically-Derived Electricity, Science's Dream for 100 Years, Materializing at Allis-Chalmers

Scientists have been trying to develop a feasible way to create electricity by means of chemical reaction for about 100 years, but Allis-Chalmers Manufacturing Company thinks it is the first one to turn the trick. The Milwaukee, Wis., firm has already succeeded on a laboratory scale. It has built a "fuel cell" which, through the conversion of hydrogen and oxygen gases into direct current by means of a catalyst, is already producing enough electricity to illuminate two 15-watt bulbs.

Dr. H. K. Ihrig, director of research and a vice-president of the company, says that the method has excellent commercial possibilities, but cautioned that development work is still in an early stage.

A workable fuel cell, according to Dr. Ihrig, could be regarded as a valuable new source of electric power with numerous industrial and consumer applications.

Would Provide Supplemental Power

It could be used, he says, in steam turbine generating power plants where it would provide supplemental power during periods of greatest demand. A cell device would eliminate the need for installing additional standard generating equipment.

The chemical processing industry, a heavy user of direct current, could use the power drawn from the cell, it is believed. Fuel cell power would also be useful in the manufacture of aluminum, which is produced through electrolytic reduction.

Certain motors can be operated on direct current, and, in the consumer line, direct current can run electric lights, household toasters, coffee makers, and other appliances.

The fuel cell would have the advantages of economy and simplicity. The fuel and equipment required to generate power by this method would be relatively inexpensive, and the cell device itself probably would not be difficult to build. The voltage output could be raised by increasing the number of cells that would be connected in series, says Allis-Chalmers.

The new fuel cell consists of a small sheet metal box containing twenty-four separate cells, each with an output capacity of one volt. The individual cells consist of two metal electrodes coated with a catalyst. Electrodes are separated by an electrolytic solution. A chemical reaction occurs when hydrogen and oxygen gases are fed into the device, freeing electrons in the electrodes and thus producing electricity.

Dr. Ihrig emphasizes that the fuel cell project is still in the research stage and a number of developmental problems must be solved before it can be considered an unqualified success.

Airco Building Installations For Polyvinyl Alcohol Resin

Air Reduction Chemical Company has started construction of a new polyvinyl alcohol resin plant at Calvert City, Ky., and a supporting pilot plant at Bound Brook, N. J. Both projects will cost over $12 million and are expected to be on stream by early 1960.

The manufacturing process to be used by Airco was obtained under license from the Kurashiki Rayon Company, Ltd., Osaka, Japan, where the major use for the resin is in the production of a synthetic fiber known as vinylon. Kurashiki is the leading producer of vinylon in Japan.

Diethyl Oxalate Available

Aceto Chemical Company, Flushing, New York, is selling diethyl oxalate. According to the company the material is used as a slow-evaporating nitrocellulose solvent, in the manufacture of special barbiturates and particularly in Claisen condensation.

GLIDDEN PURCHASES CHIEF: Robert L. Lozon, named director of purchases and trade relations for the Glidden Company, Cleveland, Ohio.

Goodrich Develops 'Versatile' Polymer

B. F. Goodrich Chemical Company has developed a polymer which it is billing as "the most versatile agent ever discovered for thickening, suspending, dispersing and emulsifying."

The company introduced the material last week as a fluffy white powder that is said to improve the performance qualities of hundreds of existing products ranging from toothpaste to asphalt.

J. R. Hoover, president of the clinical unit of B. F. Goodrich Company, disclosed that a $3 million plant has been completed at Calvert City, Ky., for the production of the powder, a water-soluble polymer called "Carbopol." The facility has an immediate capacity of 70,000 pounds a month.

"Carbopol" makes cosmetics and toothpaste smoother, eliminates drying and caking often found in creams and lotions, gives good flow qualities to any paste or liquid dispensed from plastic bottles or tubes, and can eliminate the "shake well before using" requirement for virtually every product normally needing that label, according to the Cleveland, Ohio, chemical firm.

Johnson & Johnson Slates Subsidiary Facility in India

Johnson & Johnson has established a subsidiary in India for the construction, equipping and operating of a manufacturing facility in India.

The New Brunswick, N. J., firm manufactures surgical dressings, therapeutic and sanitary products, items which India must at present import almost exclusively. The name of the company's subsidiary is Johnson & Johnson of India, Private, Ltd. It will be a private stock company with Indian private investors participating.

Peppermint Up, Spearmint Down: That's the Story

Peppermint up, spearmint down. That is the second forecast, just filed by the Crop Reporting Board, on the outlook for mint production this year. The government agency expects peppermint output to reach a level of 2,566,000 pounds. That would be 10 percent above the production in 1957 and nearly one-half more than the average.

The board thinks spearmint production will come to 545,000 pounds. Such an output would be 10 percent below 1957 and 9 percent below average.

Substantial Improvement

Based on September 1 conditions, the reporting board said that yield prospects for peppermint improved substantially during the month in both Washington and Oregon and a record crop is now in prospect for both states.

Oregon and Washington growers reported the highest crop condition on record for September 1 this year. Record yields are in prospect in both eastern and western Washington growing districts. The season has continued favorable all year and it has been difficult for growers to keep up with irrigation needs. Water supplies have been adequate and growers report the most luxuriant growth in years.

Prevalence of insects has been greater than usual, but they have been well controlled. Harvest was expected to peak in early September.

In Oregon, dry, hot weather during the growing and harvesting season kept rust damage to a minimum. Irrigation water supplies were adequate and development was good despite early season damage from cutworms. Most growers had finished harvesting by late August.

In Wisconsin, meadow mint made generally good progress in August. However, row mint was rather slow in growth. Near drought conditions prevailed in many sections which retarded foliage growth.

In Michigan, August weather was generally cool and dry. Mint meadows did not improve and low yields are reported in most areas. Distilling of mint was near-

—Continued on page 48

Nitromethane Embargo Set Until Probe Is Ended

The Interstate Commerce Commission has placed an embargo on bulk shipments of nitromethane in railroad tankcars or in tank motor vehicles until an investigation can develop more facts concerning its explosive qualities. The order issued last week became effective Friday, and applies to private carriers as well as others.

The commission's action grew out of two explosions of the chemical while in transit over a six-month period. The first occurred at Niagara Falls, N. Y., on January 22 and the other at Mt. Pulaski, Ill., on June 1. The shipments were being made by rail in tankcars.

The chemical is presently classified as a non-explosive in the regulations of the carriers. The commission said that the two explosions now makes it necessary, in the public interest, to consider imposing regulations on the movement of the chemical in bulk in tanks.

American, Jap Efforts Seen Chemical Boon

Technical cooperation between American and Japanese manufacturers will bring with it a further expansion in the plastics and synthetic rubber industries in Japan, says a chemical engineer from Tokyo.

He is Taira Tamura, senior staff engineer of Asahi-Dow, Ltd., in Tokyo. Mr. Tamura made his statement in Midland, Mich., while attending a series of technical conferences at Dow Chemical Company, a part owner of the Japanese firm. Specifically, he was speaking about a new styrene monomer plant that the jointly-owned company has under construction in Kawasaki.

Tranquilizer, Sedative Use Wins Catholic Approval

The use of tranquilizers and sedatives for research and in the treatment of disease does not violate Catholic doctrine, says Pope Pius XII.

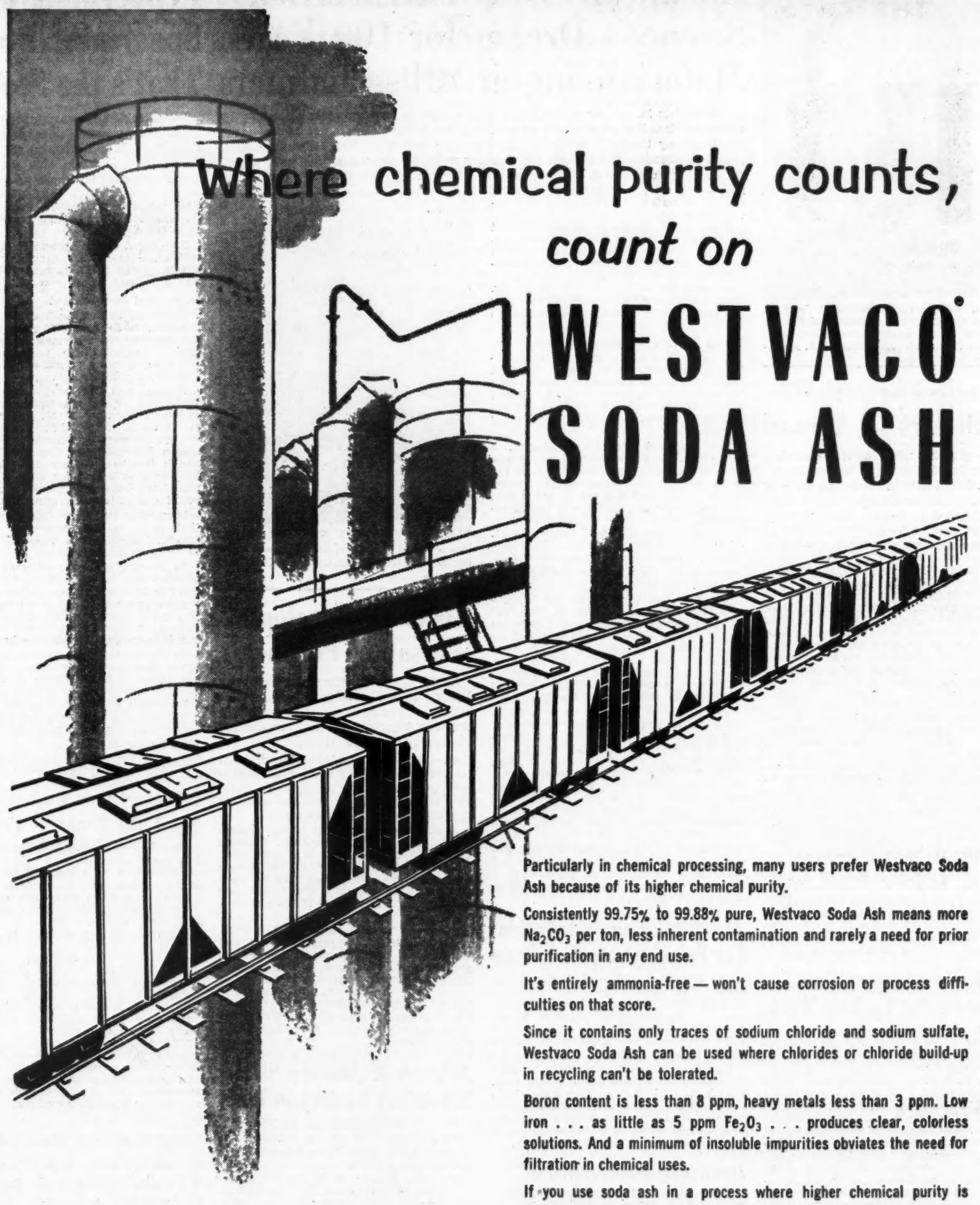
Narcotics may be used to ease the pain of the dying, even though they may hasten death, the Pope said last week in an address to 500 researchers in Rome attending a congress on mental and nervous diseases.

The Catholic leader did say, however, that the uncontrolled and irresponsible use of tranquilizers and sedatives is deplorable because it can lead to "regrettable and immoral inadmissible situations."

"We have stated in the past that in principle there is no objection to the use of remedies destined to allay or abolish pain," the Pope said. "The same is true of narcotics, as far as their action against pain is concerned."

The Pope then referred to the danger of resorting to drugs "for the sole purpose of systematically avoiding emotional difficulties, fears and tensions that are inseparable from an active life devoted to current human tasks."

These dangers are increased by the fact that in some areas such drugs are available without medical control and that "some states show a tolerance that is difficult to understand toward certain laboratory experiments and certain clinical procedures," the Pope said.



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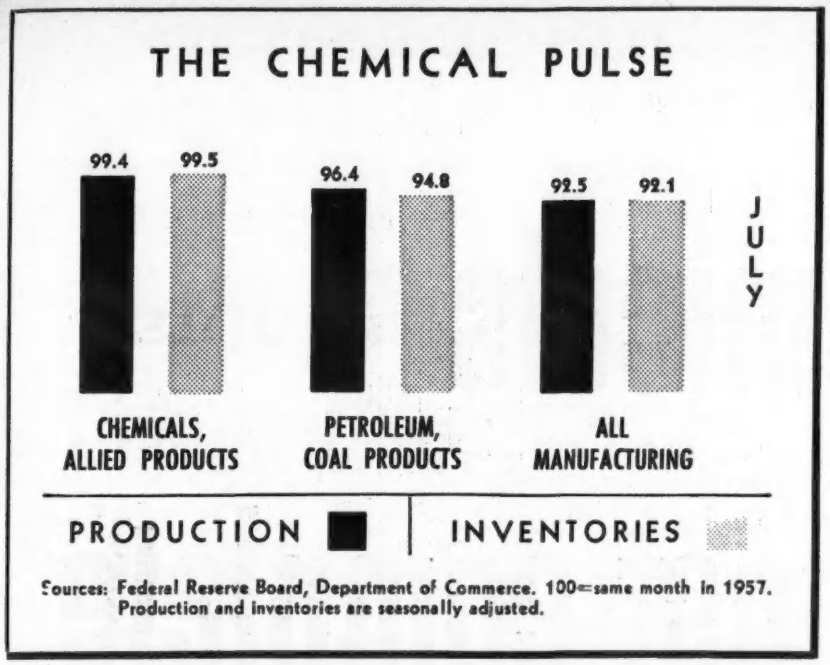

Research Posts Don't Claim All Creative Minds, Emmerich Contends

The research and development groups of a large business do not have a corner on all the creative people in the organization. Such people may be found in every division of the business but it is up to management to provide the right climate to spur their creativity. So says Fred J. Emmerich, after a lifetime of observing and participating in the world of business at all its levels.

The passage of time has made the providing of the right atmosphere more difficult, chiefly because of the problems of communications, according to the man who began his career with Allied Chemical Corporation as an accountant and rose to the position of chairman of the board.

Receives Chemical Industry Medal

The comments were made last week by Mr. Emmerich at a meeting of the Society of Chemical Industry in Toronto. The occasion was a joint dinner of the American, British and Canadian sections of the society and saw Mr. Emmerich receive the organization's chemical industry medal for 1958.

Mr. Emmerich, who retired as Allied chairman at the end of last year, spoke on "New Dimensions for Management."

"New advances depend mainly on creative individuals who are willing to take the risks of traveling off the beaten path. It is the creative mind which has given us both the ideas and inventions which are responsible for the comfort and convenience of present day living. It is the creative mind which holds the promise for the future," said Mr. Emmerich.

Continuing his theme, Mr. Emmerich said:

"When industrial units were relatively small, it was frequently possible for the owner of a business to become acquainted with the majority of his employees. With the large diversified units of today, the number of channels through which ideas have to be transmitted make mutual understanding difficult.

The answer, the speaker stated, lies in the willingness of supervisors to consider the other man's point of view.

Research Unit Latest In Plans of Diamond

A multi-million dollar, campus-style research center a few miles south of Painesville, Ohio, is the latest project planned by Diamond Alkali Company, Cleveland, Ohio.

The new unit will supplement the company's present scientific facilities at Fairport. Present plans call for construction to be carried out in stages. Engineering has already been started on the first phase, which comprises a multi-unit group of buildings for central research and development.

Chemical Safety Speaker Set to Address Workshop

T. A. Wilker, president of the Texas Chemical Council, will be the luncheon speaker during a chemical industry safety workshop set for September 25 at the Shamrock Hilton hotel, Houston, Tex.

The workshop, sponsored by the Manufacturing Chemists' Association in cooperation with the Texas Chemical Council, will feature audience-panel discussion on subjects pertaining to the safe production, handling, transportation and use of chemicals and chemical products.

West German Chemical Men Had No Complaints Last Year As Business Graphs Climbed

The chemical industry in West Germany had no complaints last year. While there were indications of a leveling off in the rate of growth in other industries, the chemical people saw their graphs climbing upward. The production index was higher by 12.2 percent and chemical sales showed a rise of 11.6 percent. The Department of Commerce, which has put these figures together in an industry report, points out that all major types of chemicals participated in the 1957 increase.

The growth leaders were pharmaceuticals, cosmetics and petrochemicals. Inorganic and organic chemicals and fertilizers did well. There was some lag, however, in paints and lacquers. Soaps and washing agents were on the poor side.

The German industry had to contend with rising costs of labor and raw materials during the past year, but prices remained surprisingly stable.

Dividends Up Slightly

Dividends showed a slight upward trend, with most companies paying from 9 to 11 percent. Investments in research and new facilities continued heavy, with the greatest emphasis on petrochemicals.

The stability of chemical prices is noted in the fact that they rose less than 1 percent in 1957 from those in 1956, while prices for all industry were up 2.5 percent.

Chemical prices in Germany have risen only 7 percent since 1950, whereas in the United States they have increased 14 percent and in the United Kingdom 38 percent.

Higher costs were generally absorbed by rationalization and increased production, therby lowering unit costs. But the Federation of the Chemical Industry states that further increases for raw materials, wages, and freight cannot be absorbed without price rises and industry leaders predict a moderate increase in 1958. Prices are not expected to rise more than 1 percent because of foreign competition.

The cost of raw materials rose substantially in 1957. The producer price index

—*Continued on page 56*

TO HEAD GORDON CONFERENCES: Dr. John Ridgway Bowman of Northwestern University, named chairman-elect of the board of trustees of the Gordon Research Conferences.

CSMA Package Contest Set for December Meeting

The seventh annual aerosol package contest to select the best aerosol packages of the year will be held in conjunction with the forty-fifth annual meeting of the Chemical Specialties Manufacturers Association at the Commodore hotel, New York, December 8 to 10.

Entries will close October 15, according to the association, and are open to any brand owner or marketer without feet. Awards will be made on the basis of general sales appeal in each of eleven groups. In addition a "best package in the show" will be selected.

Pharmacists Convene Oct. 9

The first fall meeting of the newly-formed Society of Pharmacists in Industry will be held October 9 at the Academy of Science, New York. Cocktails will be served from 5:30 p. m., followed by dinner at 6:30. A prominent member of the industry will be guest speaker.

Fertilizer Use Seen Increasing in Forests

When hard times hit the farmer and his demand for plant food falls off, the forestry industry may well prove to be an excellent customer who will take up the production of the fertilizer factories.

Such was the possibility explored by representatives of the forestry and fertilizer industries early this month at Pack Forest, Wash. The occasion was a parley sponsored by the National Plant Food Institute and the University of Washington.

F. Todd Tremblay, Pacific northwest regional director of the institute, reporting on forest fertilizer possibilities, noted that in one county alone, in the state of Washington—Skagit County—more than three

—*Continued on page 56*

FPVPC Lecturer Is Named

Dr. Lincoln R. Thiesmeyer, president of the Pulp & Paper Research Institute of Canada, will give the keynote address at the thirty-sixth annual meeting of the Federation of Paint & Varnish Production Club, at the Cleveland Public Auditorium, Cleveland, Ohio, on October 6. The title of Dr. Thiesmeyer's address will be "Indians, Ingenuity, and Insurance."

Association Meetings

American Association of Textile Chemists & Colorists, national convention, Conrad Hilton hotel, Chicago, October 30-November 1.

American Council of Independent Laboratories, annual meeting, Atlanta, Ga., October 29-November 1.

American Institute of Chemical Engineers, national meeting, Utah hotel, Salt Lake City, Utah, September 21-24.

American Oil Chemists' Society, fall meeting, Sherman hotel, Chicago, October 20-22.

American Tung Oil Association, annual convention, Buena Vista hotel, Biloxi, Miss., September 24-26.

Antibiotics Annual Symposium, sponsored by the antibiotics division of Food and Drug Administration, Washington, D. C., October 15-17.

Association of Consulting Chemists & Chemical Engineers, annual meeting, Biltmore hotel, New York, October 28.

Chemical Market Research Association, French - Lick - Sheraton hotel, French Lick, Ind., September 24-26.

Chemical Market Research Association, adhesives meeting, St. Paul hotel, St. Paul, Minn., November 12-13.

Chemical Section of 1958 National Safety Congress, LaSalle hotel, Chicago, October 20-23.

Chemical Specialties Manufacturers Association, annual meeting, Commodore hotel, New York, December 9-11.

Commercial Chemical Development Association, joint meeting with National Agricultural Chemicals Association, Lord Baltimore hotel, Baltimore, Md., and Beltsville, Md., November 20-21.

Drug, Chemical & Allied Trades section of the Young Men's Board of Trade, annual Young Man of the Year award dinner, Park-Sheraton hotel, New York, October 16.

Electrochemical Society, 114th meeting, Chateau Laurier, Ottawa, Canada, September 28-October 2.

Federation of Paint & Varnish Production Clubs, annual convention and show, Cleveland Public Auditorium, Cleveland, Ohio, October 5-8.

National Agricultural Chemicals Association, annual meeting, General Oglethorpe hotel, Savannah, Ga., October 29-31.

National Association of Retail Druggists, annual meeting, Convention Hall, Philadelphia, September 28-October 2.

National Conference on Air Pollution, Sheraton - Park hotel, Washington, D. C., November 18-20.

National Paint, Varnish & Lacquer Association, annual convention, Shoreham and Sheraton-Park hotels, Washington, D. C., October 27-29.

National Pest Control Association, silver anniversary convention, Statler hotel, Washington, D. C., October 20-23.

National Plant Food Institute, conference on chemical control problems, Shoreham hotel, Washington, D. C., October 16.

National Plastics Exposition, sponsored by Society of Plastics Industry, International Amphitheatre, Chicago, November 17-21.

National Wholesale Druggists Association, annual meeting, Americana hotel, Bal Harbour, Fla., November 8-13.

Parenteral Drug Association, annual meeting, Statler hotel, New York, October 22-24.

Salesmen's Association of the American Chemical Industry, chemical sales clinic, Roosevelt hotel, New York, October 20.

Society of Plastics Industry, annual national conference, Morrison hotel, Chicago, November 17-21.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, October 8.

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, Sept. 19 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Abies siberica oil, crns. ..... lb. 3.60 - 4.25
Acacia (see Arabic gum).
Acenaphthene, below 92.5 C. m.p., dms., works .. lb. .40 - —
Above 92.5 C. m.p., bbls., dms., lb. .41 - .50
Acetaldehyde, 99%, dms., c.l., works. lb. .12 - —
dms., l.c.l., works ..... lb. .13½- —
tanks, works ..... lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld. lb. .32½- —
bbls., bgs., ton lots, frt. alld. lb. .33½- —
bbls., bgs., smaller lots, frt. alld. lb. .36½- —
USP, bbls., 225-lb. dms. any quantity .. lb. .79 - —
100-lb. dms., any quantity .. lb. .81 - —
Acetic acid, coml. or redist., 28%, bbls. .. 100 lbs. 4.80 - —
56%, bbls. ..... 100 lbs. 8.25 - —
70%, bbls. ..... 100 lbs. 9.95 - —
80%, bbls. ..... 100 lbs. 10.45 - —
Acetic acid, glacial, syn., CP, dms., dlvd .. 100 lbs. 22.00 -23.00
tech., dms., c.l., dlvd. ... 100 lbs. 13.75 - —
dms., l.c.l., dlvd. ..... 100 lbs. 14.25 - —
tanks, dlvd. ..... 100 lbs. 10.00 - —
USP, cbys., dlvd ..... 100 lbs. 31.00 -32.00
Acetic anhydride, aluminum ret. dms., c.l., dlvd. E .. lb. .16½- —
aluminum ret. dms., l.c.l., dlvd. E. lb. .17½- —
tanks, dlvd. E. ..... lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd .. lb. .80 - —
fib. dms., l.c.l., dlvd. ..... lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd .. lb. 1.35 - —
fib. dms., l.c.l., dlvd. ..... lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd .. lb. .82 - —
fib. dms., l.c.l., dlvd. ..... lb. .83 - —
Acetone, CP, dms., c.l., dlvd. .. lb. .11 - —
dms., l.c.l., dlvd. ..... lb. .12 - —
tanks, dlvd. ..... lb. .08½- —
Acetonitrile, dms., c.l., works .... lb. .45 - —
dms., l.c.l., works ..... lb. .45¾- —
Acetophenetidin, USP, dms., works, frt. equald .. lb. 1.22 - 1.24
Acetophenone, crns., dms. ..... lb. .42 - 1.30
tech., dms., c.l., works ..... lb. .37 - —
dms., l.c.l., works ..... lb. .37¾- —
tanks, works ..... lb. .35 - —
N-Acetyl-p-aminophenol, dms., frt. adjusted .. lb. 1.75 - 1.85
Acetylene black, imp., bgs., c.l., duty and freight extra .. lb. .19 - —
cs., l.c.l., ex whse. ..... lb. .24½- .30
Acetylsalicylic acid, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt lb. .63½- —
USP, standard, fine, cryst. gran., (30-40 mesh) powd., (80 mesh), bbls., 1,000-lb. lots, same basis .. lb. .58½- —
Freight equald. shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver .. lb. .35½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver .. lb. .36½- —
tanks, frt. alld. E. of Denver. lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver .. lb. .39½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver .. lb. .40½- —
tanks, frt. alld. E. of Denver .. lb. .37 - —

Acids

Acid quotations are listed individually. For example, prices on Acid, cresylic, may be found in the C's under Cresylic acid.

Acronite root, bls. ..... lb. .50 - .55
Acrolein, tech. dms., c.l., works .. lb. .47 - —
dms., l.c.l., works ..... lb. .47½- —
tanks, works ..... lb. .46 - —
Acrylonitrile, dms., c.l., t.l., frt. equald .. lb. .30 - —
dms., l.c.l., t.l., frt. equald .... lb. .31 - —
tanks, frt. equald ..... lb. .27 - —
Adeps lanae (see lanolin).

Abies Siberica Oil—Ammonium Bicarbonate

Adipic acid, bgs., c.l., dlvd. ..... lb. .32¼- —
bgs., l.c.l., dlvd. ..... lb. .35 - —
Agar, USP, Kobe No. 1, strip, bls. lb. 1.90 - 2.00
powd., 30 mesh., fib., dms. .. lb. 2.50 - —
dl-Alanine, dms., works ..... lb. 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms. ..... lb. .65 - .85
Albumin, egg, edible, cryst., powd., bbls .. lb. 1.09 - 1.11
flake, bbls. ..... lb. 1.05 - 1.07
tech., cryst., bbls. ..... lb. 1.08 - 1.10
Aldol, 95%, dms., works ..... lb. .23 - —
Denaturing grade, dms. ..... gal. 2.15 - —
Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .93 - —
fib. dms., l.c.l., dlvd ..... lb. .98 - —
Aletris root, bgs. ..... lb. 1.75 - 1.85
Algin (see Sodium alginate)
Alizarin (see 1,2-Dihydroxy anthraquinone).
Alkali blue dry, 250-lb. bbls., dlvd. E. of Rockies ..... lb. 2.38 - —
Alkali blue, toner, litho flushed, 125-lb. bbls., same basis. lb. 1.33 - —
Alkali blue prices 1c. higher W. of Rockies.
Allethrin, 90%, dms., frt. alld .. lb. 28.80 -28.90
Soln., 20%, dms., 200-2,000 lb. lots, frt. alld .. lb. 6.50 - 6.55
2½% dms. frt. alld. ..... lb. .95 - 1.10
Allspice oil (see Pimento oil).
Allyl alcohol, dms., c.l., dlvd. ... lb. .32½- —
dms., l.c.l., dlvd. ..... lb. .33½- —
tanks, dlvd. ..... lb. .30 - —
Allyl bromide 55-lb. cbys. 5,005 lbs. or more, works lb. 1.47 - —
55-lb. cbys., 1,045 to 4,950 lbs., works lb. 1.52 - —
55-lb. cbys., 55 to 990 lbs. works. lb. 1.57 - —
Allyl chloride, dms., c.l., dlvd. .. lb. .17½- —
dms., l.c.l., dlvd. ..... lb. .18½- —
tanks, dlvd. ..... lb. .15 - —
Allyl isocyanate (see Mustard Oil, syn.).
Almond oil, artif., bitter (see Benzaldehyde).
Almond oil, nat., bitter, f.p.a., bots. lb. 2.75 - 3.45
NF, bots. ..... lb. 3.00 - 3.30
USP, sweet, cns., dms. ..... lb. .90 - 1.40
Aloe, Cape, cs. ..... lb. .50 - —
powd., cs. ..... lb. .75 - —
Curacao, kgs. ..... lb. .60 - —
powd., kgs. ..... lb. .80 - —
Aloin, USP, bbls., dms., kgs. .... lb. 3.25 - 3.75
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene)
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works .. 100 lbs. 4.30 - —
lump, dms., works ..... 100 lbs. 5.05 - —
powd., dms., works ..... 100 lbs. 5.20 - —
USP, burnt, dms. ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum, potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works ..... 100-lbs. 5.30 - —
powd., dms., works ..... 100 lbs. 5.45 - —
USP, burnt., dms. ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum, potash-chrome, dms. ..... lb. .17 - —
Alumina, calcined, bgs., c.l., works. lb. .05 - —
bgs., l.c.l., works ..... lb. .05¼- .06
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works lb. .14 - —
Aluminum chloride, coml., anhyd., dms., c.l., works, frt. equald lb. .15 - —
dms., l.c.l., works ..... lb. .15½- —
cryst., dms., c.l. works .. 100 lbs. 21.00 - —
dms., l.c.l., works .... 100 lbs. 21.50 - —
soln., 32°, cybs., c.l., works .. lb. .0495- —
cbys., l.c.l., works ..... lb. .0555- .1325
tanks, works ..... 100 lbs. 3.45 - —
NF, gran., dms., works ..... lb. .31 - .32
Aluminum fluoride, tech., anhyd., bgs., c.l., works lb. .17¼- —
bgs., l.c.l., works ..... lb. .18¼- .20¼
Aluminum fluoride in fib. dms. 0.35c. per lb. higher
Aluminum formate, basic soln., dms., c.l., works .. lb. .12 - —
dms., l.c.l., works ..... lb. .12½- —
Aluminum hydrate, heavy, bgs., c.l., frt. equald .. lb. .03½- —
bgs., 20,000-40,000 lb. lots, same basis lb. .03¾- —
bgs., 2,000-20,000 lb. lots, same basis lb. .04¼- —
bulk, c.l., same basis ..... lb. .03¼- —
Aluminum hydroxide, dried, USP XV., fib. dms., works lb. .82½- —
fib. dms., contract, works lb. .79½- —
Aluminum hydroxide, gel. pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
fib. dms., contract, works .. lb. .18 - —
Aluminum hydroxide, tech., powd. (See Aluminum hydrate).
Aluminum metal, 99%+, ingots, 10,000-lb. lots, frt. alld .. lb. .2680- —
pigs, 10,000-lb. lots, frt. alld .. lb. .2470- —
Aluminum oxide, amorphous (See Alumina, calcined).
Aluminum paste, lining, extra-fine, dms .. lb. .69½- —
Standard grade, dms. ..... lb. .47 - —
Aluminum powder, lining, ex. fine, dms .. lb. 1.11 - —
Standard grade, dms. ..... lb. .81 - —

Aluminum paste and powder prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum resinate, precip., 2.1% t.t.l., dms .. lb. .36¼- —
Aluminum stearate, dibasic, ctns., c.l .. lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Monobasic, ctns., c.l. ..... lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Tribasic, ctns., c.l. ..... lb. .39 - —
ctns., l.c.l. ..... lb. .40 - .44
Aluminum sulfate, coml., grd., bgs., c.l., works, frt. equald .. ton. 41.00 - —
grd., bulk, c.l., same basis .. ton. 40.00 - —
lump, bgs., c.l., same basis .. ton. 44.00 - —
Coml., iron-free, bgs., c.l., works, frt. equald .. 100 lbs. 2.80 - —
bgs., l.c.l., works, frt. equald. 100 lbs. 4.30 - 6.30
USP, gran., dms., works ..... lb. .30 - —
powd., dms., works ..... lb. .37 - —

Aluminum sulfate prices $1 per ton higher in the South.

Aluminum trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots ..... oz. 6.50 -10.00
p-Aminoacetanilide, frt. alld. .. lb. 1.57 - —
Aminoacetic acid, NF, bbls., frt. adjusted .. lb. 1.50 - 1.75
Aminoazotoluene base, bbls., 100% basis lb. 1.03 - 1.18
p-Aminobenzoic acid, tech., dry, dms., works .. lb. 1.72 - —
Aminoethyl ethanolamine, dms., c.l., dlvd .. lb. .475 - —
dms., l.c.l., dlvd. ..... lb. .485 - —
tanks, dlvd. ..... lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld .. lb. .44 - —
dms., l.c.l., frt. alld. ..... lb. .45 - —
tanks, frt. alld. ..... lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
dms., smaller lots. ..... lb. 2.50 - —
p-Aminophenol, dms., frt. alld. .. lb. 1.15 - —
Aminophylline, USP, 100-lb. dms .. lb. 3.55 - —
p-Aminosalicylic acid, dms., 100 lbs. or more, frt. adjusted .. lb. 3.70 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald .. ton. 80.00 - —
refrigeration, tanks, works, frt. equald .. ton. 82.50 - —
Aqueous, 29.4%, tanks, works, anhyd. basis .. ton. 83.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal., gray, bgs., c.l., works, frt, equald .. 100 lbs. 8.25 - —
bgs., l.c.l., same basis .. 100 lbs. 8.65 -12.65
Ammoniac, sal., white (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms .. lb. .40 - —
Ammonium benzoate, USP, fib. dms. ton lots, works lb. 1.00 - —
fib dms. 1,000-lb lots, works. lb. 1.05 - —
Ammonium biborate, gran., dms., c.l., works .. ton. 324.50 - —
dms., ton lots, ex whse .. ton. 407.50 - —
dms., smaller lots, ex whse .. ton. 412.50 - —
Ammonium bicarbonate, dom., dms., c.l., works .. 100 lbs. 7.00 - —
dms., l.c.l., works ..... 100 lbs. 9.00 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	nom.	nominal
AMP	American melting point	dlvd.	delivered	o-	ortho
anhyd.	anhydrous	dms.	drums	ord.	ordinary
AOAC	Association of Official Agricultural Chemists	dom.	domestic	oz.	ounce
		E.	east	p-	para
		e.p.	end point	Pac.	Pacific
		equald.	equalized	pf.	proof
a.p.a.	available phosphoric acid	exp.	expressed	phos.	phosphate
		Ext.	external	photo.	photographic
approx.	approximately	F.	fahrenheit	pkgs.	packages
artif.	artificial	ferment.	fermentation	powd.	powdered
ASTM	American Society for Testing Materials	f.f.a.	free fatty acid	precip.	precipitated
		f.f.c.	free from chlorine	prod.	producer
		fib.	fiber	pt.	point
Atl.	Atlantic	f.o.b.	free on board	pulv.	pulverized
Be.	Baume	f.p.a.	free of prussic acid	purif.	purified
bbls.	barrels			redist.	redistilled
bgs.	bags	frt.	freight	refd.	refined
bls.	bales	gal.	gallon	refy.	refinery
bots.	bottles	gran.	granular	reg.	regular
b.p.	boiling point	grd.	ground	resub.	resublimed
b.p.l.	bone phosphate of lime	I.&a.	iron and aluminum	ret.	returnable
b.r.	boiling range	i.b.p.	initial boiling point	SD	specially denatured
bxs.	boxes	imp.	imported	s.d.	single distilled
C.	centigrade	incl.	included	S E.	southeast
cbys.	carboys	indust.	industrial	sec.	secondary
CD	completely denatured	kgs.	kegs	secs.	seconds
		l-	laevo	s.g.	specific gravity
c.i.f.	cost, insurance, freight	lacq.	lacquer	shipt.	shipment
		lb.	pound	soln.	solution
cks.	casks	l.c.l.	less than carlots	s.u.	standard unit
c.l.	carlots	l.t.l.	less truckload	syn.	synthetic
cns.	cans	liq.	liquid	tanks.	railroad tankcars
coml.	commercial	mfrs.	manufacturers	tech.	technical
conc.	concentrated	m-	meta	tert-	tertiary
CP	chemically pure	m.a.p.	mixed aniline point	t.l.	truck loads
cps.	centipoises			t.w.	tank wagons
cryst.	crystalline	min.	minimum	USP	U. S. Pharmacopoeia
cs.	cases	m.p.	melting point		
ctns.	cartons	N-	nitrogen		
cyls.	cylinders	n-	normal	vis.	viscosity
d-	dextro	nat.	natural	VM&P	varnish makers & painters
dbl.	double	neut.	neutral		
denat.	denatured	NF	National Formulary	W.	west
dest-dist.	destructively—distilled	NNR	New and Nonofficial Remedies	whse.	warehouse
dl-	dextrolaevo			w w.	water-white
dist.	distilled				

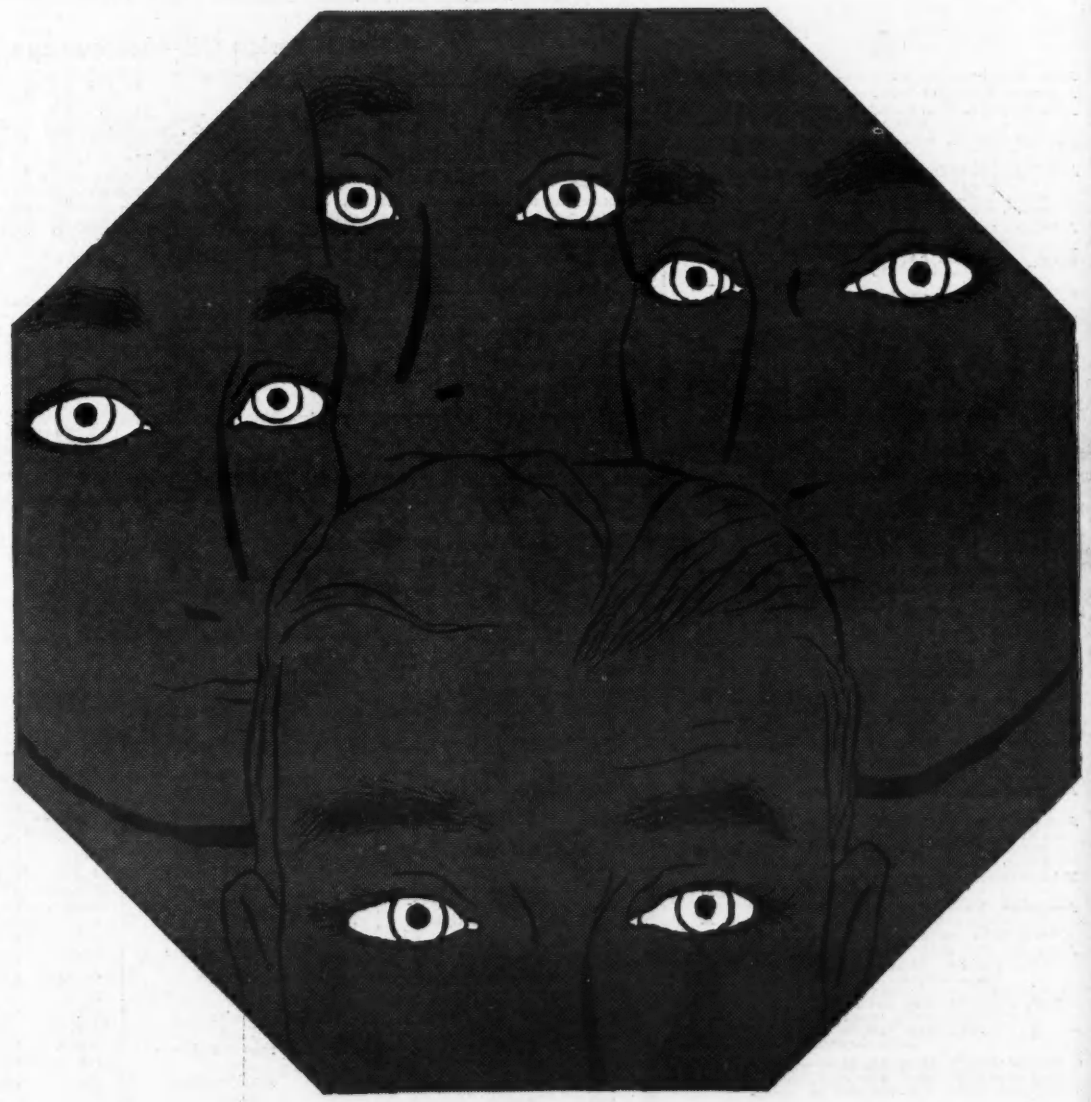
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Ammonium bichromate, dms., works, lb. .42 - .43
Ammonium bifluoride, dms., dlvd lb. .2145-.2245
Ammonium bromide, NF, gran., bbls, lb. .45 - —
Powdered ammonium bromide 10c. per lb. higher.
Ammonium carbonate, USP, lump, dms., c.l. lb. .15½- —
Ammonium chloride, tech., fine gran., bgs., c.l., works 100 lbs. 5.75 - —
bgs., l.c.l., works 100 lbs. 7.75 - 8.20
USP, gran., fib. dms. lb. .17¼- —
Ammonium citrate, dibasic, bbls. lb. .77 - —
Ammonium dichromate (see Ammonium bichromate).
Ammonium fluoride (see Ammonium bifluoride).
Ammonium gluconate, tech., dms. lb. .45 - —
Ammonium hydroxide (see Ammonia aqueous).
Ammonium Iodide, NF, dms., bots. lb. 4.26 - 4.38
Ammonium lauryl, sulfate, dms., c.l., frt. alld. lb. .19 - —
dms., l.c.l., frt. alld. lb. .20 - —
tanks, frt. alld. lb. .18 - —
Ammonium linoleate, 80%, dms., works lb. .50 - .55
Ammonium molybdate, CP, cryst., fib. dms., 15,000 lbs., works lb. 1.22 - —
fib. dms., 2,000-lb. contracts, works lb. 1.23 - —
single fib. dms., works lb. 1.24 - —
Ammonium nitrate, dom., fertilizer grade, 33.5% N bags., f.o.b. works ton.60.00 - —
Imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equald to $8 ton, base price ton.72.00 - —
western, bgs, c.l., f.o.b. cars, Los Angeles ton.79.69 - —
with dolomite, 20.5% N, bgs., Hopewell, Va. ton.49.75 - —
Ammonium oxalate, tech., fine gran., powd., dms. lb. .28½- .34½
Ammonium pentaborate, gran., bgs., c.l., works ton.193.00 - —
bgs., ton lots, ex whse. ton.284.50 - —
bgs., smaller lots, ex whse ton.289.50 - —
Ammonium pentaborate powder $10 per ton higher.
Ammonium persulfate, tech., dms., 10-ton lots or more, works, lb. .18 - —
dms., smaller lots, works lb. .20 - .23
Ammonium phosphate, coml., bgs., c.l., works, frt. equald lb. .09¼- —
bgs., l.c.l., same basis lb. .10 - —
Ammonium phosphate dibasic, NF, V bbls. dms. lb. .46 - —
Tech., bgs., c.l., works, frt. equald, lb. .09¼- —
bgs., l.c.l., same basis lb. .10 - —
Ammonium silicofluoride, dms., works lb. .11¼- .13¼
Ammonium sulfamate bgs., c.l., t.l., works lb. .19 - —
bgs., l.c.l., works lb. .20½- .27
Ammonium sulfate, coke-oven, bulk, producing ovens, base price ton.32.00 - —
purif., dms., works lb. .10 - .10½
Syn., bulk., c.l., works ton.35.00 - —
bgs., c.l., works ton.40.00 - —
Ammonium sulfate, tech., bulk, c.l., t.l., works ton.52.00 - —
bgs., c.l., t.l., works ton.56.00 - —
bgs., l.c.l., t.t.l., works—100 lbs. 3.20 - 7.20
Ammonium sulfide, liq., 40-44%, tanks, frt., equald..100% basis ton.160.00 - —
Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Ammonium thiocyanate, tech., cryst., dms. c.l. works lb. .20 - —
dms., l.c.l., works lb. .22 - .26
tech., soln, 50%, tanks, frt. equald., basis ammonium thiocyanate content lb. .17¼- —
Ammonium thioglycollate, coml., cbys., 100% basis lb. 1.35 - 1.65
Highly purif., cbys. 100% basis. lb. 1.70 - 1.96
d-Amphetamine hydrochloride, dibasic, bots lb. 18.00 -28.00
dl-Amphetamine hydrochloride, dibasic, bots lb. 4.50 - 6.00
d-Amphetamine hydrochloride, monobasic, dms lb. 17.50 -21.00
d-Amphetamine phosphate, fib. dms., 100-lb. lots lb. 15.00 - —
dl-Amphetamine phosphate, dms lb. 4.20 - 5.00
d-Amphetamine sulfate, fib. dms., 100-lb. lots lb. 15.00 - —
dl-Amphetamine sulfate, fib. dms., lb. 4.20 - 5.00
Amyl acetate, ex fusel oil, tech., dist., from 125° to 150°C., dms., c.l., frt. alld. E. of Rockies lb. .18½- .19
dms., l.c.l., same basis lb. .19½- .20
tanks, same basis lb. .16 - .16½
Amyl acetate, ex pentane, reg. dms., c.l., dlvd. lb. .19 - —
dms., l.c.l., dlvd. lb. .20 - —
tanks, dlvd. lb. .16½- —
Syn., oxo process, dms., c.l., dlvd. lb. .19 - —
dms., l.c.l., dlvd. lb. .20 - —
tanks, dlvd. lb. .16½- —
Tech., dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd. lb. .18 - —
tanks, dlvd. lb. .14½- —
Amyl alcohol, ex fusel oil (see Fusel oil refd.).
Amyl alcohol, ferment, refd., 128°-132°C., dms., l.c.l., dlvd lb. .43 - —
refd., ACS grade, dms., l.c.l., dlvd lb. .45 - —
Amyl alcohol, ex pentane, mixed, amyls, dms., c.l., frt. alld. lb. .18½- —
dms., l.c.l., frt. alld. lb. .19½- —
tanks, frt. alld. lb. .16 - —
primary, dms., c.l., frt. alld. lb. .20¼- —
dms., l.c.l., frt. alld. lb. .21¼- —
tanks, frt. alld. lb. .17¾- —
sec-synthetic, dms., c.l., works, frt. alld lb. .19 - —
dms., l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .18½- —
dms., l.c.l., frt. alld. E lb. .19½- —
tanks, frt. alld. E lb. .16 - —
Amyl alcohol, 1-pentanol (syn. normal), dms., c.l., works lb. .41½- —
dms., l.c.l., works lb. .42½- —
tanks, works lb. .39½- —
Amyl alcohol, 2-pentanol, dms., c.l., works lb. .65 - —
dms., l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Amyl n-butyrate, dms. lb. 1.00 - 1.25
Amyl cinnamic aldehyde, dms lb. 1.75 - 2.20
o-tert Amyl phenol, dms., c.l., works. lb. .49½- —
dms., l.c.l., works lb. .50½- —
tanks, works lb. .47 - —

p-tert Amyl phenol, dms., c.l., works. lb. .26¾- —
dms., l.c.l., works lb. .27¾- —
Amyl salicylate, cns., dms. lb. .80 - 1.10
Amyris oil, dms. lb. 1.30 - 1.40
Anethole, USP, cns., dms lb. 1.25 - 1.70
Tech., dms. lb. .85 - .90
Angelica root, dom., bls. lb. .60 - .65
Angelica root oil, bots. lb. 120.00 -130.00
Angelica seed oil, bots. lb. 120.00 -130.00
Aniline, dms., c.l., frt. alld lb. .20 - —
dms., l.c.l., frt. alld. lb. .21 - —
tanks, frt. alld. lb. .18 - —
Aniline oil (see Aniline).
Aniline salt, dms., c.l., truckloads, 20,000 lbs. min., frt. alld. lb. .33 - —
dms., l.c.l., same basis lb. .35 - —
Anise oil, USP, dms. lb. 2.00 - 4.05
Anise seed, Mexican, bgs. lb. .17½- —
Spanish, bgs. lb. .17½- —
Anisic aldehyde, dms. lb. 1.85 - 2.20
o-Anisidine, dms., c.l., frt. alld lb. .80 - —
dms., l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Anthracene, 90-95%, dms., c.l., t.l., f.o.b., works lb. .42½- —
dms., l.c.l., minimum shipment 1,000 lbs., same basis lb. .45 - —
Anthranilic acid, 99%, 150-lb. dms., dlvd lb. 1.15 - —
Anthraquinone, 99.5%, bbls., c.l., frt. alld lb. .83 - —
bbls., l.c.l., same basis lb. .86 - —
Electrical grade, bbls., l.c.l., same basis lb. 1.10 - —

Antimony butter (see Antimony trichloride).
Antimony metal, bulk, c.l., mines. lb. .29 - —
cs., c.l., mines lb. .29½- —
Antimony oxide, bgs., c.l., frt. alld. lb. .24½- —
bgs., l.c.l., frt. alld. lb. .26 - —
Antimony sulfide, approx. 65%, bgs., 10,000-lb. lots, dlvd lb. 23 - —
bgs., smaller lots, dlvd lb. .24 - .26
Antimony trichloride, anhyd., solid, pails, c.l., works lb. .41 - —
pails, l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., 250-lb. dms lb. .69½- —
USP, powd., 250-lb. dms. lb. .74½- —
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride, USP, 25-oz. lots oz. 35.60 - —
Apricot kernel oil, USP, dms. lb. .85 - 1.25
Arabic gum, amber sorts, bgs. lb. .21 - .23
USP, powd., bbls. lb. .26 - .29
Areca nuts, powd., bbls. lb. .13 - —
Arecoline hydrobromide, NF, bots., tins oz. 4.50 - 6.00
l-Arginine, free base, dms., 10-kilo lots or more kilo. 90.00 - —
l-Arginine glutamate, dms., 10-kilo lots or more kilo. 60.00 - —
l-Argenine monochloride, dms., 10-kilo lots or more kilo. 60.00 - —
Arnica flowers (true Montana), bls. lb. 1.40 - 1.50
Arsenic, crude (93%), bulk, c.l., works lb. .016 - —
bbls., c.l., works lb. .031 - —
Arsenic trioxide, USP, dms. lb. .48 - —
Arsenic white, powd., bbls., c.l., works lb. .04½- —
bbls., l.c.l., works lb. .06½- .07½
Arsenous acid, tech. (see Arsenic, white).
Arsenous acid, USP (see Arsenic trioxide).

Arylid maroons deep shades, bbls. lb. 3.70 - —
Light shades, bbls. lb. 2.85 - —
Maroon shade, bbls. lb. 3.70 - —
Asafetida gum, cns. lb. .40 - —
Powd. bbls., dms. lb. .85 - —
Asbestine (see Talc fibrous, New York).
Asbestos, Canadian crude
6D, c.l. (30 tons) mines ton.86.00 - —
7D, c.l. (30 tons) mines ton.75.00 - —
7F, c.l. (30 tons) mines ton.71.00 - —
7H, c.l. (30 tons) mines ton.61.00 - —
7K, c.l. (30 tons) mines ton.50.00 - —
7M, c.l. (30 tons) mines ton.44.00 - —
7R, c.l. (30 tons) mines ton.43.00 - —
7RF, c.l. (30 tons) mines ton.44.00 - —
7T, c.l. (30 tons) mines ton.41.00 - —
7TF, c.l. (30 tons) mines ton.44.00 - —
Asbestos prices are in Canadian funds; l.c.l. lots $4 per ton higher.
Ascorbic acid, USP dms., 25-100 kilo lots kilo.10.00 - —
dms., 10-kilo lots kilo.10.35 - —
dms., 5-kilo lots kilo.10.75 - —
bots., 1-kilo lots kilo.12.00 - —
bots., 500-gram bots. kilo.12.50 - —
Ash black (see Barium sulfide).
Asphalt, gilsonite, black jet, bgs., c.l., mines ton.40.00 - —
ex-whse, N. Y., N. J. ton.86.50 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton.35.00 - —
select, 350°F. fusing pt., bgs., c.l., mines ton.41.00 - —
270°-295°F. fusing pt., bgs., c.l., mines ton.40.00 - —
Asphalt, manjak No. 10 crude, dms., works lb. .07 - —
Asphalt, petroleum, cut-back, tanks, tankwagon, refy. gal. .09 - —
emulsion tanks tankwagon, refy. gal. .09½- —



Asphalt, petroleum, steam-refd., 50-80 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration tanks, tankwagon, refy ton.20.00 - —
Aspirin (see Acetylsalicylic Acid).
Atropine, NF, tins oz. 5.75 - 6.50
Atropine sulfate, USP bots. oz. 5.00 - 5.50
Avocado oil, f.o.b. Calif., cns. lb. 2.25 - —

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .65 - —
less than 1,000,000,000 units. 50,000 units. .70 - —
Balm of Gilead buds, dried, bgs lb. 1.25 - 1.35
Barberry root bark, bgs. lb. .28 - .30
Barbital, NF, 100-lb. dms. lb. 4.50 - —
Barbital sodium, NF, dms. lb. 4.75 - —
Barium carbonate precip. bgs., c.l., works ton.111.50 - —
bgs., smaller lots, works ton.125.50 - —
Barium chlorate, dms., works lb. .32 - .41
Barium chloride anhyd. bgs., c.l., works ton.176.00 - —
bgs., l.c.l., works ton.195.00 - —
Barium chloride, NF, cryst., 100 lb. dms lb. .22 - —
Tech., cryst., bgs., c.l., works, 100 lbs. 7.00 - —
bgs., l.c.l., works 100 lbs. 8.00 - —
Barium chromate, bgs. frt. equald. lb. .38 - —
Barium dioxide (see Barium peroxide).
Barium hydrate, cryst., bgs., c.l., t.l., frt. equald ton.208.00 - —
bgs., l.c.l., l.t.l., frt. equald ton.218.00 - —
Barium monoxide (see Barium oxide).
Barium nitrate, bbls., c.l., t.l., dlvd. lb. .16 - —
bbls., l.c.l., l.t.l., dlvd. lb. .17 - —
Barium oxide grd., dms., c.l., t.l., frt equald ton.275.00 - —
dms., l.c.l., l.t.l., frt. equald ton.285.00 - —
Barium peroxide dms. frt. equald lb. .20 - —
Barium stearate, ctns. c.l., frt. alld. lb. .41 - —
ctns., l.c.l., same basis lb. .42 - .46
Barium sulfate, tech. (see Barytes and blanc fixe).
Barium sulfate, X-ray, dms. lb. .15 - .15½
Barium sulfide, dms., c.l., works. ton.100.00 - —
dms., l.c.l., works ton.110.00 - —
Barytes, southern, off-color, bgs., mines ton.25.00 - —
95-75%, bgs., mines ton.25.00 - —
white, water-grd., paper bgs., c.l., St. Louis ton.55.00 -55.25
paper bgs., ex whse., New York ton.79.85 - —
Battery acid cbys. c.l. works, E. 100 lbs. 2.35 - —
cbys., l.c.l., works, E. 100 lbs. 2.65 -10.95
Bauxite bulk, mines ton. 7.00 -10.00
Bay oil, NF, Puerto Rican, 50-55%, cns lb. 2.10 - 3.05
55-60%, cns. lb. 2.50 - 3.05
West Indian, 50-55% cns. dms., lb. 2.30 - 3.00
Bayberry wax, bgs. lb. .45 - .47
Beeswax, crude, African, bgs. lb. 56 - .58
Brazilian, bgs. lb. .67 Nom.
Central American, bgs. lb. .60 Nom.
Chilean bgs. lb. .67 Nom.
Refd., USP, bleached, white, bricks, 100-lb. ctns lb. .72 - .73
white, slabs, 100-lb. ctns lb. .71 - .72
yellow, bricks, 100-lb. ctns lb. .63 - .65
yellow, slabs, 100-lb. ctns lb. .62 - .64
Belladonna leaf, bls. lb. .30 - —
Belladonna root, bls. lb. .30 - —
Bentonite, dom. 200 mesh, bgs., c.l., mines ton.14.00 - —
Imp. Italian, white high gel. bgs., 5-ton lots, ex whse ton.91.00 - —
bgs., 1-ton lots, ex whse ton.94.00 - —
low gel. bgs., 5-ton lots ex whse ton.89.35 - —
bgs., 1-ton lots, ex whse ton.92.35 - —
Benzal chloride, cbys., works lb. .44 - —
Benzaldehyde, NF, dms. lb. .80 - .86
Tech., cbys. dms., t.l. lb. .43 - —
cbys. smaller lots lb. .44 - —
Benzene, coaltar, pure or nitration, tanks, works:
Bethlehem, Pa. gal. .31 - —
Birmingham district gal. .31 - —
Chicago district gal. .31 - —
Cleveland district gal. .31 - —
Geneva, Utah gal. .31 - —
Johnstown, Pa. gal. .31 - —
Lackawanna, N. Y. gal. .31 - —
Lone Star, Tex. gal. .31 - —
Lorain, Ohio gal. .31 - —
Middletown, Ohio gal. .31 - —
Minnequa, Colo. gal. .31 - —
Philadelphia district gal. .31 - —
Pittsburgh district lb. .31 - —
Sparrows Point, Md. gal. .31 - —
Syracuse, N. Y. gal. .31 - —
Terre Haute, Ind. gal. .31 - —
Youngstown, Ohio gal. .31 - —
Benzene, petroleum, nitration or industrial, Houston, Tex., tanks, gal. .31 - —
Benzene hexachloride 25% and 99% gamma isomer (see Lindane).
Benzene hexachloride tech. high gamme, dms., c.l. dlvd. gamma unit-lb. .00825- —
dms., l.c.l., works gamma unit-lb. .009 - .0095
low gamma, dms., c.l. dlvd. gamma unit-lb. .00825- —
dms., l.c.l., works gamma unit-lb. .009 - —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.19 - —
bbls., l.c.l., same basis lb. 1.21 - —
Benzidine sulfate, tech., bbls., frt. alld., 100% basis lb. 1.21 - —
Benzidine yellow, AAA, bbls. dlvd. lb. 2.30 - —
AAOT, bbls., dlvd. lb. 2.55 - —
Lightfast, bbls., dlvd. lb. 3.40 - —
Benzocaine, dms. lb. 3.48 - 3.50
Benzoic acid, tech., bbls., dms., c.l., t.l., frt., alld lb. .37 - —
bbls., dms., ton lots, same basis lb. .41 - —
bbls., dms., 1,000-lb. lots, same basis lb. .43 - —
USP, bbls., dms., ton lots lb. .48 - —
bbls., dms., 1,000-lb. lots lb. .50 - —
Benzoin gum, Sumatra, cs. lb. .33 - —

Benzol

Benzol quotations, both coaltar and petroleum, may be found under Benzene.

Benzophenone, dms. lb. 1.40 - 1.70
Benzotriazole, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, cbys., 1,000-lb. lots or more, frt., equald lb. .21 - —
cbys, smaller lots, frt., equald lb. .23 - —
Benzoyl chloride, cbys., dms., c.l., works, frt., equald lb. .22 - —
cbys., l.c.l., same basis lb. .23 - —
tanktrucks, dlvd., Metropolitan area, lb. .21 - —
Benzoyl peroxide, purif., fib. dms., 30 to 1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. 58 - .79
Benzyl alcohol, NF, dms. lb. .58 - .80
Tech., dms., dlvd. lb. 47½- .65
Benzyl benzoate, USP, NF, 40-lb. dms lb. .68 - —
Benzyl chloride, tech., cbys., dms., c.l., works, frt., equald lb. .22½- .25½
cbys., dms., l.c.l., same basis lb. 23½- 25¼
tanktrucks, dlvd., Metropolitan area lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal cbys. In steel dms. prices are ½c. lower.
Benzyl cinnamate, cns. lb. 3.30 - 3.60
Benzyl dimethylamine, dms., works. lb. 2.25 - —
Benzyl formate, cns. lb. 1.85 - 2.10
Benzyl isoeugenol, cns. lb. 9.85 - —
Benzyl propionate, bots. lb. 1.35 - 1.65
Benzyl salicylate, bots. lb. 1.60 - 1.85
Benzylidine acetone, bots. lb. 1.75 - 1.80
Benzylidine chloride, (see Benzal chloride).
Berberine bisulfate, cns. lb.35.00 -36.25
Berberine hydrochloride, bots. lb.35.00 -36.25
Bergamot oil, nat. NF Italian cns. lb.12.75 -14.00
Betagammapicoline (see b,g-Picoline).
Betahydroxynaphthoic acid (see b-Oxynaphthoic acid).
Betaoxynaphthoic acid (see b-Oxynaphthoic acid)
Betamethylnaphthalene (see b-Methylnaphthalene).
Betanaphthol (see b-Naphthol)
Betanaphthylamine (see b-Naphthylamine)
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, tech.).
Biotin, cryst., bots. gram.10.00 - —
Biphenyl (see Diphenyl).
Birchtar oil, crude, cns. lb. 1.50 - 1.90
Rectified, cns. lb. 1.75 - 1.85
Bismuth chloride, jars lb. 5.11 - —
Bismuth hydroxide, dms. lb. 4.60 - 4.65
Bismuth metal, bxs., ton lots lb. 2.25 - —
Bismuth nitrate, cryst., dms. lb. 2.08 - 2.17
Bismuth oxide, anhyd., dms. lb. 4.47 - 5.05
Bismuth oxychloride, dms. lb. 4.37 - 4.42
Bismuth subcarbonate, USP dms lb. 3.20 - —
Bismuth subgallate NF fib dms lb. 3.15 - —
Bismuth subiodide, fib. dms. lb. 5.37 - —
Bismuth subnitrate, NF dms. lb. 2.65 - —
Bismuth subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Bisphenol-A bgs., c.l., t.l., frt. alld. lb. .30 - —
bgs., l.c.l., same basis lb. .31 - —
Blackberry root bark bls. lb. .50 - .55
Black haw root bark bls. lb. .63 - .65
Black haw tree bark bls. lb. .45 - .50

Black Pigments

Black pigment quotations are listed individually. For example, prices on Black, acetylene, may be found in the A's under Acetylene black.

Blanc fixe, direct process, bgs. c.l., works ton.115.00 - —
bgs., l.c.l., works ton.125.00 - —
bgs., l.c.l., New York whse ton.169.00 - —
Blood, dried, 16-16½% ammonia New York unit-ton. 6.50 - —
high-grade, unground, 16-17% ammonia bgs. Chicago. unit-ton. 7.00 - —
Blood, dried, soluble, bgs., c.l. lb. .13 - .14
bgs., t.l. lb. .15 - .17
bgs., l.t.l. lb. .15½- .35¼
Bloodroot bls. lb. .48 - .50

Blue Pigments

Blue pigment quotations are listed individually. For example, prices on Blue, ultramarine, may be found in the U's under Ultramarine blue.

Blue dyes (see Dyes)
Blue vitriol (see Copper sulfate)
Bois de rose oil, Brazilian, dms lb. 2.24 - 2.75
Peruvian, dms. lb. 1.95 - 2.55
BON acid maroons pure, bbls lb. 1.75 - —
Resinated, bbls. lb. 1.50 - —

Perhaps you owe your very life to these men . . . constantly at work *against an ever-present danger!*

They're the bacteriologists, biochemists and engineers who seek and nurture friendly microscopic creatures in the battle against the microbial menace that infects the very air you breathe.

In this warfare, Penick's position is unique . . . *an antibiotic maker's antibiotic maker!* We produce and sell in bulk only . . . and our product range is among the broadest available from any single source.

Our experience in this field is unsurpassed. We pioneered in the manufacture of Tyrothricin, the first commercially available antibiotic. Our staff works regularly with users of antibiotics, helping to apply antibiotics singly and in combinations for a wide variety of end uses. Among those we produce are:

- *Neomycin and Neomycin derivatives* • *Bacitracin, Zinc Bacitracin, Bacitracin Methylene Disalicylate, and other Bacitracin derivatives* • *Tyrothricin* • *Gramicidin* • *Tyrocidine Hydrochloride*

We will be glad to discuss your antibiotic needs and furnish you with samples of Penick antibiotics. In addition, you may be interested to know that our facilities and experienced personnel are available for the custom manufacture of fermentation products. Your inquiry will be held in strictest confidence.

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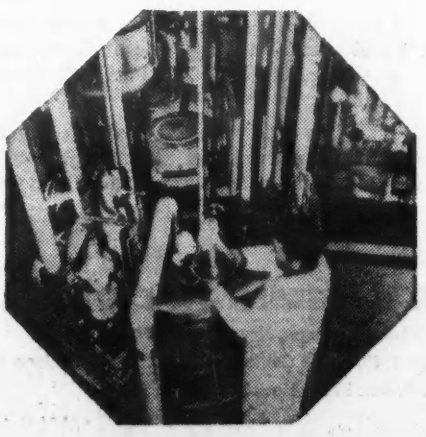
Manufacturers of Fine Chemicals and Drugs



Bone black, dms., l.c.l. frt. alld. lb. .18 - .22¼
Pacific coast bone black prices 2c. per lb. higher.
Bonemeal, steamed, works, E ton.65.00 - —
Bone phosphate, defluorinated of lime (see Defluorinated phosphate).
Bone phosphate, precip. (see Calcium phosphate, tribasic)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.87.50 - —
bgs., ton lots, ex whse. New York or Chicago ton.143.75 - —
bgs., smaller lots, same basis. ton.148.75 - —
bulk, c.l., works ton.78.50 - —
gran., decahydrate, 99½%, bgs., c.l. works ton.47.50 - —
bgs., ton lots, ex whse, New York or Chicago ton.103.75 - —
bgs., smaller lots, same basis. ton.108.75 - —
bulk, c.l., works ton.41.00 - —
pentahydrate, 99½%, bgs., c.l., works ton.63.00 - —
bgs., ton lots, ex whse, New York or Chicago ton.119.25 - —
bgs, smaller lots, same basis. ton.124.25 - —
bulk, c.l., works ton.56.50 - —
powd., 99½%, bgs., c.l., works. ton.52.50 - —
bgs., ton lots, ex whse, New York or Chicago ton.108.75 - —
Borax, powd., 99½%, bgs., smaller lots, same basis ton.113.75 - —
USP borax $15 per ton higher.
Bordeaux powder, tribasic, bgs., c.l., dlvd. lb. .24 - —
bgs., l.c.l., same basis lb. .26 - —
Boric acid, tech., anhyd., 99.9%, bgs., c.l., works ton.335.00 - —
bgs., ton lots ex whse, New York or Chicago ton.390.00 - —
bgs., smaller lots, same basis. ton.415.00 - —
cryst., 99.9%, bgs., c.l., works. ton.133.50 - —
bgs., ton lots, ex whse, New York or Chicago ton.190.75 - —
bgs., smaller lots, same basis. ton.195.75 - —
dms., c.l., works ton.158.00 -178.00
dms., ton lots, ex whse, New York or Chicago ton.215.25 -235.25
dms., smaller lots, same basis. ton.220.25 -240.25
gran., 99.9%, bgs., c.l., works. ton.108.50 - —
bgs., ton lots, ex whse, New York or Chicago ton.165.75 - —
bgs, smaller lots, same basis ton.170.75 - —
dms., c.l., works ton.133.00 -153.00
dms., ton lots, ex whse, New York or Chicago ton.190.25 -210.25
dms., smaller lots, same basis ton.195.25 - —
bulk, c.l., works ton.102.50 - —
Boric acid, powd., 99.9%, bgs., c.l., works ton.113.50 - —
bgs., ton lots, ex whse, New York or Chicago ton.170.75 - —
bgs., smaller lots, same basis. ton.175.75 - —
dms., c.l., works ton.138.00 -158.00
dms., ton lots, ex whse, New York or Chicago ton.195.25 -215.25
dms., smaller lots, same basis. ton.200.25 -220.25
USP boric acid $25 per ton higher.
Borneol, cns. lb. 2.75 - —
Boron trichloride, CP, 1,800-lb. cyls., works lb. 1.25 - —
100-lb. cyls., works lb. 1.70 - —
Boron trifluoride gas, cyls, truckload, works lb. .62 - —
cyls., l.t.l., works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Broenner's acid, bbls. lb. 1.76 - —
Bromine purif. cs., c.l., t.l., dlvd. E of Rockies lb. .32 - —
c.s., l.c.l., same basis lb. .34 - .39
ret. dms. c.l., t.l., dlvd. E of Rockies lb. .31 - —
ret. dms. l.c.l., same basis lb. .31 - .34
tanks, same basis lb. .21½- —
Bromochloromethane dms., c.l., frt. equald lb. .48 - —
dms., l.c.l., same basis lb. .50 - —
tanks, same basis lb. .47 - —
Bromoform, pharmaceutical grade, 100-lb. cbys lb. 1.80 - 1.90
Bromstyrol, bots. lb. 5.45 - 5.70
Brucine, cns., 100-oz. lots oz. 1.20 Nom.
Brucine sulfate, NF, cns., 100-oz. lots oz. 1.15 Nom.
Buchu leaves, bls. lb. 1.20 - —

borax boric acid and boron compounds

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Boron Trichloride is the starting point of high-energy fuels for rockets; it is used in making the newer highly heat-resistant resins; it contributes to the ultra-speed of modern planes while it solves some of the thermal problems generated by high-speed flight. Boron Trichloride is also an important source of elemental boron, contributing unique values to nuclear reactors of increasing efficiency and safety.

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Stauffer's Research Staff has done extensive research in metallic chlorides and welcomes inquiries. A catalog of Stauffer's Boron Products...also a new brochure on Metallic Chlorides are available on request.

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STAUFFER CHEMICAL COMPANY

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Prudential Plaza, Chicago 1, Ill. • 636 California Street, San Francisco 8, Calif.

P. O. Box 9716, Houston 15, Texas

Brown Pigments

Brown pigment quotations are listed individually. For example, prices on Brown, iron oxide, may be found in the I's under Iron oxide brown.

Butadiene, refd. cyls., c.l., refy. lb. .21 - —
cyls., l.c.l., refy. lb. .22 - —
tanks, contract, refy. lb. .14½- .15
Butane, indust., tanks, group 3 gal. .04 - —
n-Butyl acetate, ferment, dms., c.l., frt. alld. lb. .17 - —
dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .14½- —
Syn., dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .14½- —
sec-Butyl acetate syn., dms., c.l., dlvd.E lb. .14¾- —
dms., l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .12¼- —
n-Butyl acrylate, dms., c.l. or t.l., straight or mixed frt. alld. E. lb. .57½- —
dms., l.t.l., same basis lb. .58½- —
tanks, same basis lb. .55 - —
Prices of n-butyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Butyl alcohol, ferment, dms., c.l., frt. alld lb. .17 - —
dms., l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .14½- —
Syn., dms., c.l., dlvd lb. .17 - —
dms., l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .14½- —
Butyl alcohol, sec-synthetic, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .12½- —
Butyl alcohol, tert-synthetic, dms., c.l., frt. alld. dlvd. E lb. .14¾- —
dms., l.c.l., same basis lb. .15¾- —
tanks, same basis lb. .12¼- —
Butyl aldehyde (see Butyraldehyde).
Butyl chloride, dms., c.l., works lb. .37½- —
dms., l.c.l., works lb. .38¼- —
n-Butyl ether dms., c.l., works lb. .35¼- —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .33¼- —
Butyl lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½- —
dms., l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40 - —
Butyl laurate, dms., works lb. .37½- —
Butyl methacrylate, dms., c.l., t.l., works lb. .55 - —
dms., l.c.l., works lb. .55½- —
Butyl oleate, refd., dms., l.c.l., works lb. .32 - —
Butyl phenylacetate, dms., lb. 4.50 - 4.60
Butyl phthalate (see Dibutyl phthalate).
Butyl stearate, dms., c.l., frt. alld. E. of Mississippi lb. .27¼- —
dms., l.c.l., same basis lb. .28¼- —
Butylamine (see Mono-, Di- and Tributylamine).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .55 - —
dms., l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p-cresol).
p-tert-Butylphenol, bgs., c.l., works. lb. .27½- —
bgs., l.c.l., works lb. .28½- —
Butyraldehyde, dms., c.l., dlvd. lb. .22 - —
dms., l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .19½- —
Butyric acid, 99%, dms., c.l., frt. equald lb. .34 - —
dms., l.c.l., same basis lb. .34½- —
tanks, same basis lb. .32½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium CP red, dark shade, bbls., frt. alld. E. of Rockies lb. 5.45 - —
Light shade, bbls., same basis lb. 4.55 - —
Medium shade, bbls., same basis. lb. 5.20 - —
Medium light shade, bbls., same basis lb. 4.80 - —
Orange-red shade, bbls., same basis lb. 4.20 - —
Yellow, all shades, bbls., frt. alld. E. of Rockies lb. 3.75 - —
Cadmium iodide, 25-lb. fib. dms. lb. 6.75 - 7.09
Cadmium metal, ingots or sticks, cs., dlvd lb. 1.55 - —
Cadmium-mercury lithopone orange, deep shade, bbls., frt. alld. E. of Rockies lb. 1.61 - —
Cadmium-mercury lithopone red, dark shade, bbls., same basis lb. 1.91 - —
light shade, bbls., same basis lb. 1.68 - —
Medium shade, bbls., same basis. lb. 1.83 - —
Medium light shade, bbls., same basis lb. 1.76 - —
Maroon shade, bbls., same basis lb. 1.99 - —
Cadmium-selenide lithopone, maroon, bbls., frt. alld. E. of Rockies. lb. 2.72 - —
Cadmium-selenide lithopone, maroon, dark shade, bbls., same basis lb. 2.77 - —
Orange, bbls., same basis lb. 1.54 - —
Red, orange-red shade, bbls., same basis lb. 1.62 - —
Red, light shade, bbls., same basis. lb. 1.84 - —
Red, medium-light shade, bbls., same basis lb. 1.96 - —
Red, medium shade, bbls., same basis lb. 2.19 - —
Red, dark shade, bbls., same basis. lb. 2.52 - —
Cadmium-selenide lithopone, yellow, all shades, bbls., frt. alld. E. of Rockies lb. 1.15 - —
Caffeine, NF, citrated, dms., 100-lb. lots or more lb. 2.70 - —
USP, nat., cryst., anhyd., 100-lb. lots or more lb. 2.50 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 2.33 - —
Syn., cryst., anhyd., dms., 100-lb. lots or more lb. 2.50 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 2.33 - —
Cajuput oil, native, cns. lb. 1.75 - 2.55
Redist., USP, cns lb. 1.90 - 2.10
Calamine, USP, dms. lb. .34 - —
Calamus oil, bots. lb. 12.00 -22.50
Calciferol, cryst., 10-kilo or more lots, works grm. .54 - —
1-10 kilo lots grm. .55 - —
Calciferol, in edible oil (see Vioterol).
Calcium p-aminosalicylate trihydrate, fib. dms., 100 lbs. or more, frt. adjusted lb. 4.00 - —

Calcium arsenate, dealers, bgs., c.l., frt. alld. lb. .09 - .09¼
bgs., l.c.l., same basis lb. .10 - .10½
Calcium bromide, NF, 100 lbs. or more lb. .97 - —
Calcium carbide, standard generator size, 600-lb. dms., c.l., dlvd. ton.149.00 - —
Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton.10.50 - —
chalk, whiting, 325 mesh, bgs., c.l., works ton.32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton.17.00 -18.00
Calcium carbonate, precip., dense, bgs., c.l., works ton.32.50 - —
bgs., l.c.l., works ton.42.50 - —
medium, bgs., c.l., works ton.38.00 - —
bgs., l.c.l., works ton.48.00 - —
surface treated, bgs., c.l., works, ton.37.50 - —
bgs., l.c.l., works ton.47.50 - —
ultrafine, bgs., c.l., works ton.110.00 -160.00
bgs., l.c.l., works ton.120.00 -175.00
Calcium chloride, flake, 77-80%, paper bgs., c.l., works, frt. equald ton.31.00 - —
Conc., flake or pellet, 94-97%, paper bgs., c.l., works, frt. equald ton.37.80 - —
paper bgs., c.l., works ton.37.00 - —
Purif., gran., dms. lb. .27 - —
USP, gran., dms. lb. .32 - —
Liquor, 40%, tanks, frt. equald, ton.12.50 - —
Solid, 73-75%, dms., c.l., frt. equald ton.29.50 - —
dms., l.c.l., works, frt. equald. ton.36.00 -73.00
Calcium chromate, bgs., frt. equald. lb. .29½- .30
Calcium cyanide, dms., c.l., dlvd. E. of Rockies lb. .20 - —
dms., l.c.l., same basis lb. .24 - .55
Calcium cyclamate, 100-lb. dms lb. 2.95 - —
Calcium gluconate, AA, dms. lb. .76 - —
USP, dms. lb. .67 - .69
Calcium hydride, lump, dms., works, lb. 2.20 - 3.00
Calcium hypochlorite, high test, 45-lb cs., dlvd. E. of Rockies. cs.22.95 -25.10
100-lb. dms., same basis dm.30.80 -34.50
Calcium hypophosphite, dms., 1,000-lb lots lb. 1.28 - —
Calcium iodide, jars lb. 4.52 - —
Calcium lactate, NF, dms., 10,000-lb. lots or more, works lb. .36 - .40
smaller lots, works lb. .41 - .48
Calcium mandelate, USP, dms., works lb. 2.10 - 2.23
Calcium naphthenate, liq., 4% Ca., dms., frt. equald lb. .30 - —
Calcium pantothenate, dms., frt. adjusted kilo.35.00 - —
Calcium para-aminosalicylate (see Calcium p-aminosalicylate).
Calcium phenolsulfonate, dms. lb. .99 - 1.00
Calcium phosphate, dibasic, USP, bgs., c.l., frt. equald 100 lbs. 8.25 - —
bgs., l.c.l., frt. equald 100 lbs. 9.00 - —
Feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton.83.25 - —
bgs., c.l., t.l., f.o.b. Texas City works ton.77.70 - —
bgs., l.c.l., frt. equald ton.93.25 - —
21% P., bgs., c.l., t.l., frt. equald ton.94.50 - —
bgs., l.c.l., frt. equald ton.104.50 - —
Prices of calcium phosphate dibasic in bulk $3 per ton less than bg., c.l. prices
Calcium phosphate, monobasic, bgs., 10,000-lb. lots, frt. equald. 100 lbs. 7.45 - —
bgs., smaller lots, same basis, 100 lbs. 7.95 - —
Calcium phosphate, tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 9.25 - —
bgs., l.c.l., frt. equald 100 lbs.10.00 - —
Calcium phytate bgs., works lb. .50 - —
Calcium resinate precip, dms ton. lots, frt. alld., works lb. .36¼- —
Calcium silicate, hydrated, bgs., c.l., works lb. .06 - —
bgs., l.c.l., works lb. .06½- —
Calcium silicate, paint grade (see Wollastonite).
Calcium stearate, ctns., c.l. lb. .39 - —
ctns., l.c.l. lb. .40 - .44
Calcium sulfate (see Gypsum)
Calomel, NF X, powd., 100-lb. dms.lb. 5.42 - —
Camphene 46° m.p., dms. incl., c.l., works lb. .15 - —
dms. incl., l.c.l., same basis lb. .16½- —
tanks, same basis lb. .12½- —
Camphene, chlorinated 67-69% (see Toxaphene)
Camphor monobromated NF dms., kgs. lb. 3.63 - 3.70
Camphor, nat., USP powd. cs., 100-lb. lots lb. .60 - .63
tablets, 1-oz. cs. lb. .85 - .90
USP, gran., powd. bbls., 2,000-lb. lots lb. .59 - —
Syn., USP, gran., powd., bbls., 1,000-lb. lots lb. .60 - —
bbls., smaller lots lb. .61 - —
tablets, ctns., 1,000-lb. lots lb. .85 - —
ctns. 500-lb. lots lb. .86 - —
ctns. smaller lots lb. .87 - —
tech., 1 bbl. or more lb. .46 - —
Camphor oil, sassafrassy, dms. lb. .40 - .65
White, dms. lb. .29 - .50
Cananga oil, native, cns. lb. 7.25 - 8.00
Rectified, cns. lb. 9.55 -11.25
Candelilla wax, crude, bgs. lb. .53 - .54
Refd., bgs. lb. .59 - .61
Powdered Candelilla wax 20 to 100 mesh, 8c. higher.
Cantharides, Chinese, cs. lb. 2.00 - 2.05
powd., bxs. lb. 2.25 - 2.30
Russian, bgs. lb. 2.75 - —
powd., bxs. lb. 3.00 - 3.25
Capric acid, CP, dms. lb. .28½- .31
tanks lb. .26 - —
Capryl alcohol, 85% dms., c.l., and t.l., works lb. .19 - —
dms., l.t.l., same basis lb. .19½- —
tanks, frt. equald lb. .16½- —
Sec. 92-99%, dms., c.l. lb. .22 - —
dms., l.c.l. lb. .23 - —
tanks lb. .19½- —
Caprylic acid, dms. lb. .28½- .31
tanks lb. .26 - —
Capsicum (see Pepper red).
Capsicum oil (see Capsicum oleoresin).
Capsicum oleoresin, NF, from dom. pepper, dms. lb. 4.00 - 4.75
NF, from African pepper, dms lb. 4.50 - 5.25
Caraway, oil, dms. lb. 2.75 - 3.50
Caraway seed, Dutch, bgs. lb. .10¾- —
Polish, bgs. lb. .09½- —

Carbazole, 97%, bbls. ton lots, works lb. 1.08 - —
Carbon black, channel, rubber, beads, bulk, c.l., works lb. .07¼- —
bgs., c.l., works lb. .07¾- —
bgs., l.c.l., works lb. .14½- —
Furnace, fast extruding, bgs., c.l., works lb. .06¾- —
ctns., l.c.l., whse. lb. .12½- —
high abrasion, bulk, c.l., works, lb. .07¼- —
bgs., c.l., works lb. .07¾- —
bgs., l.c.l., dlvd. or whse lb. .13½- —
high modulus, bgs., c.l., works, lb. .06¼- —
ctns., l.c.l., whse. lb. .12 - —
semi-reinforcing, bgs. c.l., works, lb. .05¾- —
bgs., ctns., l.c.l., whse lb. .11½- —
Carbon black, pigment, high color beads, ctns., c.l., works lb. .72 - —
ctns., l.c.l., dlvd. or whse lb. .79 - —
medium color, uncompressed, bgs., c.l., works lb. .13½- —
bgs., l.c.l., dlvd. or whse. lb. .21 - —
Carbon dioxide indust. wholesale, bulk, dlvd., Metropolitan area ton.73.00 -115.00
50-lb. cyls., dlvd. lb. .09 - .11
Solid, bulk, wholesale, works ton.85.00 - —
Carbon disulfide, 55-gal. dms. c.l., works, frt. equald to competitive points lb. .07 - —
55-gal. dms. l.c.l., same basis lb. .08½- .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 - —
5-gal. dms., less than 30 dms., same basis lb. .16 - —
tanks, dlvd. lb. .0545- —
Carbon tetrachloride, CP, consumers, dms., c.l., frt. alld. lb. .12¾- —
dms., l.c.l., frt. alld. lb. .15¼- —

Carbon tetrachloride, tech., consumers, dms., c.l., t.l., frt. alld. lb. .11¾- —
dms., l.c.l., l.t.l., frt. alld lb. .14¼- —
tanks, frt. alld. lb. .10¾- .11¼
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
dms., smaller lots, works lb. 4.10 - 4.75
Cardamom oil, NF, bots. lb.45.00 -55.00
Cardamom seed, bleached, "A". lb. 2.95 - —
Bleached, "B" lb. 2.80 - —
Decorticated Alleppey, cs. lb. 2.85 - —
Guatemala, cs. lb. 2.75 - —
Green, Alleppey, bgs. lb. 2.25 - —
Ceylon, bgs. lb. 2.15 - —
Carmine No. 40, NF, bulk, 100-lb. lots or more, dlvd. lb.16.80 - —
bulk, smaller lots, dlvd. lb.16.90 -17.30
Carnauba wax, chalky, bgs., ton lots lb. .68 - .69
North country, No. 2, crude, bgs., ton lots lb. .76 - .77
refd., pure, ton lots lb. .92 - .93
North country, No. 3, Ceara, crude, bgs., ton lots lb. .70 - .72
Ceara, refd., pure, bgs., ton lots lb. .79 - .80
Parnahyba, crude, bgs., ton lots lb. .71 - .73
Parnahyba, refd., pure, bgs., ton lots lb. .79 - .80
Yellow, No. 1, Ceara, bgs., ton lots lb. 1.20 - 1.22
Parnahyba, bgs., ton lots lb. 1.22 - 1.24
Powdered carnauba wax, 20 to 100 mesh, 6c. higher.

Carotene, tech., 1,350,000 A units per gram, tins 5-10 kilo lots, dlvd gram. .24½- —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works million units. .12 - —
USP, microcrystalline in oil, 400,000 A units per gram., dms., dlvd million units .174 - —
b-Carotene in vegetable oil, semi-solid suspension, 400,000 A units per gram. cns kilo.69.60 - —
Liquid in vegetable oil, 500,000 A units per gram., cns kilo.87.00 - —
Pure, cryst., 1,600,000 to 1,670,000 A units per gram., cns. gram. .29 - —
Carvol, bots. lb. 5.00 - 5.40
Cascara sagrada bark, bulk lb. .30 - —
Casein, dom., edible, acid precip., 30 mesh., bgs., 10,000-lb. lots or more, works lb. .56 - —
edible, acid, precip., 80 mesh, bgs., 10,000-lb lots or more, works lb. .64 - —
Imp., edible, acid-precip. grd., Argentine, bgs., c.l., ex-dock, Eastern seaports lb. .19 - .19¼
New Zealand, bgs., c.l., same basis lb. .24 - .24½
Cashewnut shell liquid, treated dms., c.l., Newark, N. J. lb. .22 - —
dms., ton lots, same basis lb. .23 - —
dms., dm. lots, same basis lb. .25 - —

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Sodium Methylate • Sulfate of Alumina • Sulfur (Processed) • Sulfuric Acid

Casella Acid—Cyclohexanone

Casella acid, dms., frt. alld., 100% basis lb. 1.44 - 1.75
Cassia, Padang, "A," bls. lb. .54 - —
"B" lb. .53 - —
"C" lb. .52 - —
Korintje "A" lb. .54 - —
"B" lb. .53 - —
"C" lb. .52 - —
Cassia oil (see Cinnamon leaf oil, USP).
Castor oil, dom., blown, dms., c.l. lb. .2650- —
dms., l.c.l. lb. .2750- —
dehydrated, bodied, dms., c.l. lb. .2750- —
dms., l.c.l. lb. .2910- —
tanks lb. .2600- —
unbodied, dms., c.l. lb. .2660- —
dms., l.c.l. lb. .2760- —
tanks lb. .2460- —
hydrogenated, bgs., ton lots lb. .3125- —
bgs., l.c.l., dlvd. lb. .3350- —
No. 1, dms., c.l. lb. .2300- —
dms., l.c.l. lb. .2400- —
tanks lb. .20½- —
No. 3, tech., dms., c.l. lb. .22¼- —
dms., l.c.l. lb. .23¼- —
tanks lb. .20¼- —
Refd. and deodorized, dms., c.l. lb. .2750- —
dms., l.c.l. lb. .2850- —
USP, dms., c.l. lb. .2450- —
dms., l.c.l. lb. .2550- —
tanks lb. .2250- —
Imp., No. 1, Brazilian, tanks lb. .1600- —
Castor oil, sulfonated, 50%, dms., works lb. .15 - .15¼
75%, dms., works lb. .19½- .20
Castor oil acids, dehydrated, dms. lb. .44¼- .46¼
split, dms. lb. .37¼- .38¼
Castor pomace, bgs., c.l., works ton. 37.50 - —
Castoreum, nat., cns. lb. 5.25 - —
Syn., cns. lb. 9.00 - —
Catechol, CP, cryst., fib., dms., works lb. 2.17½- —
Resub., dms., works lb. 4.29½- —
Catnip leaves, Southern, bls. lb. .75 - —
Caustic potash (see Potash caustic).
Caustic soda (see Soda, caustic).
Cedarleaf oil, USP XIII cns., dms. lb. 3.10 - 4.50
Cedarwood oil, cns., dms. lb. .50 - .95
Celery seed, French, bgs. lb. .28½- —
Indian bgs. lb. .21½- —
Celery seed oil, bots. lb. 13.00 -16.00
Cellulose acetate, flake, powd., bgs. ctns., 100-lb. lots or more, dlvd., E. lb. .35 - .45
Cellulose acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .593 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
38% butyryl content, half-second, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd., E lb. .585 - .595
Cellulose gum, methyl (see Methyl Cellulose).
Cellulose gum, pure, high vis., bgs., 23,000-lb lots or more works, frt. alld lb. .57 - —
bgs., smaller lots, same basis. lb. .59 - —
Cerium chloride 48% dms. dlvd lb. .30 - —
Cerium hydrate 74% CeO fib dms., 100-lb. lots or more lb. 1.40 - —
77%CeO fib dms. 100-lb. lots or more lb. 1.74 - —
Cerium oxalate (see Rare earth oxalate).
Cerium oxide, optical grade, bgs., 50-lb lots or more, dlvd lb. 1.85 - 1.98
bgs., smaller lots, dlvd lb. 2.03 - 2.23
Cetyl alcohol, extra fib cns., 500-lb. lots or more lb. .65 - .72
NF, fib cns. 140-lb lots or more. lb. .48 - —
Chalk (see Calcium carbonate).
Chamomile flowers Hungarian style, bls lb. Nom. - —
Roman, cs. lb. 2.50 - —
Chamomile oil, blue Hungarian, bots lb. 350.00 - —
Charcoal, activated, NF, fib dms. c.l., works lb. .25 - .32
fib. dms., 5-ton lots, works lb. .26½- .32½
fib. dms., smaller lots. works lb. .27 - .50
Charcoal, black (see Charcoal, activated).
Charcoal bone (see Bone black).
Charcoal hardwood, lump, bulk, c.l., f.o.b. plant ton. 55.00 - —
briquets, bulk, c.l., f.o.b. plant ton. 78.00 -80.00
5-lb. paper bgs., c.l., same basis ton. 106.00 - —
Charcoal, hardwood, briquets, 10-lb. paper bgs., c.l., same basis ton. 96.00 - —
25-lb. paper bgs., c.l., f.o.b. plant ton. 87.00 - —
40-lb. paper bgs. c.l., same basis ton. 84.00 - —
Chenopodium oil, NF, cns. lb. 4.50 - 5.25
Chestnut extract, Imp. solid, 60% tannin, bgs., ex dock lb. .0855- —
powd., 68% tannin, bgs., ex dock lb. .0969- —
Chicago acid paste, bbls. frt. alld. lb. 3.21 - —
Chinawood oil (see Tung oil).
Chloral, tech, 94% min., dms., c.l., works lb. .23 - —
dms., l.c.l., works lb. .24 - —
tanks, multiple units, 5 cars, works lb. .21 - —
Chloral hydrate, USP, jars, 1,000-lb lots lb. 1.00 - —
jars, 500-lb. lots. lb. 1.03 - —
jars, 100-lb lots or less lb. 1.05 - —
Chlordan, agricultural dms., c.l., frt. alld lb. .65 - —
dms. l.c.l. 5,000 to 10,000-lb. lots, frt. alld lb. .66 - —
Clarified, dms., c.l., frt. alld lb. .69 - —
dms., l.c.l., 5,000-10,000-lb lots, frt. alld lb. .70 - —
Chlorinated paraffin, 40%, dms., c.l. frt. alld lb. .16¼- —
dms. l.c.l. 10 dms. or more, same basis lb. .17¼- —
70%, dms., c.l., same basis lb. .18½- —
dms. l.c.l. 10 dms. or more, same basis lb. .19½- —
Chlorinated rubber, 5, 10, 20 cps., ctns., c.l., works lb. .60 - —
ctns., l.c.l., works lb. .61 - —
125, 1,000 cps., ctns., c.l., works, lb. .70 - —
ctns., l.c.l., works lb. .71 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .11 - —
cyls., l.c.l. Metropolitan area lb. .12½- .13¾
tanks, single units, works, frt. equald 100 lbs. 3.15 - —
tanks, multiple units, 5 cars, works, frt. equald 100 lbs. 4.05 - —
Chlorine, liq., tanks, multiple units, 4 cars, same basis 100 lbs. 4.25 - —
tanks, multiple units, 2 cars, same basis 100 lbs. 5.25 - 5.75
tanks, multiple units, 1 car, same basis 100 lbs. 6.25 - 7.25
Chloroacetic acid, mono, flake, 99%, dms., c.l. lb. .23½- .25½
dms., l.c.l. lb. .24½- —
tech. flake, 96-97%, dms., c.l., frt. equald lb. .19 - —
dms., l.c.l., frt. equald lb. .20 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. alld. lb. .78 - —
dms., l.c.l., same basis lb. .80 - —
tanks, same basis lb. .76 - —
o-Chloroaniline, dms., c.l., frt. alld. lb. .52 - —
dms., l.c.l, same basis lb. .54 - —
tanks, same basis lb. .50 - —
p-Chloroaniline, dms., c.l., frt. alld. lb. .77 - —
dms., l.c.l., same basis lb. .79 - —
o-Chlorobenzaldehyde, dms., t.l., works, dlvd. to N.Y. Metropolitan area lb. 1.05 - —
dms., l.t.l., same basis lb. 1.20 - —
p-Chlorobenzaldehyde, dms., l.c.l., works, dlvd. to N. Y. Metropolitan area lb. 1.95 - —
o-Chlorobenzoic acid, fib. dms., t.l., works lb. 1.10 - —
fib. dms., smaller lots, works lb. 1.25 - —
p-Chlorobenzoic acid, fib. dms., 2,000-lbs. or more, works. lb. 2.25 - —
fib. dms., less than 2,000-lbs., same basis lb. 2.30 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms. lb. .30 - —
2-Chloro-4-nitroaniline, paste, dlvd. E. 100% basis lb. .81 - —
Powd. dlvd. E. 100% basis lb. .86½- —
4-Chloro-2-nitroaniline, powd. dlvd. E lb. .80½- —
o-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
p-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
Chloropicrin, coml., bots lb. 1.50 - —
cyls., 180 lbs., frt. alld lb. .95 - —
cyls., 100 lbs., same basis lb. .97 - —
cyls., 25 lbs., same basis lb. 1.22 - —
Chlorosulfonic acid, dms., c.l., frt. equald lb. .0465- —
dms., l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —
Chlorosulfonic acid, in stainless steel dms. ½c. per lb. higher
Choline bitartrate fib. dms., frt. adjusted kilo. 2.75 - 3.00
Choline chloride fib. dms., frt. adjusted kilo. 2.75 - 3.00
Choline dihydrogen citrate, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Chrome green, CP, dark, light medium blue content 1-15%, bbls., dlvd. E. of Rockies lb. .40 - .42
blue content 16-30%, bbls., same basis lb. .40 - .42
blue content 31-45%, bbls., same basis lb. .41 - .43
blue content 45-49%, bbls., same basis lb. .44 - .46
Reduced color, 25% lb. .19 - .20
Chrome green prices 1c. higher W. of Rockies.
Chrome orange, CP, bbls., dlvd. E. of Rockies lb. .35 - —
Chrome orange prices 1c. higher W. of Rockies.
Chrome yellow, CP, bbls., dlvd. E. of Rockies lb. .35 - —
Chrome yellow price 1c. higher W. of Rockies.
Chromic acid, 99¾% dms., c.l., works, frt. equald lb. .29½- —
dms., l.c.l., dlvd. N. Y. Metropolitan area lb. .30 - .31
Chromic acid, NF (see Chromium trioxide).
Chromium acetate, soln., 7½%, bbls., works lb. .09½- —
cbys., works lb. .11¼- —
Chromium fluoride, bbls., works lb. .51 - .52
Chromium oxide, hydrated, bbls., fib. dms., c.l., frt. alld. lb. 1.20 - —
Pure, bgs., c.l., frt. alld. lb. .44½- —
bgs., l.c.l., same basis lb. .45¼- —
Chromium trioxide, NF, bots lb. 1.15 - —
Cinchona bark, NF, red, broken, bgs. lb. .35 - .40
NF, yellow, broken, bgs. lb. .35 - .40
Cinnamic acid refd., bots. lb. 2.50 - 3.50
Cinnamic alcohol, bots. lb. 1.90 - 2.20
Cinnamic aldehyde, dms. lb. .95 - 1.25
Cinnamon, Ceylon, No. 2, bgs. lb. .79 - —
Ceylon, "0000," bgs. lb. 1.02 - —
Cinnamon bark oil, bots lb. 36.00 -70.00
Cinnamon leaf oil, crude, dms. lb. 1.35 - 2.00
USP (Cassia), cns., dms lb. 8.50 -13.50
Citral, CP, bots. lb. 3.85 - —
Extra, bots. lb. 5.05 - —
Citric acid, USP, anhyd., fine gran., bgs., dms., c.l. lb. .29½- .30
bgs., dms., 10,000-lb. lots, 1 shipt lb. .30 - .30½
bgs., dms., smaller lots lb. .30½- .31
hydrous, fine gran. bgs., dms., c.l. lb. .27½- .28
bgs., dms., 10,000-lb. lots, 1 shipt lb. .28 - .28½
bgs., dms., smaller lots lb. .29 - .29½
Powdered citric acid ½c. higher
Citronella oil, Ceylon, dms. lb. .58 - 1.00
Java-type, dms. lb. .57 - 1.00
Citronellal, bots. dms. lb. 1.90 - 2.10
Citronellol, bots., dms lb. 2.90 - 3.75
Civet, artif., bots. lb. 13.75 -15.00
Nat., bots. oz. 8.50 -15.00
Clay, ball., dom., airfloated, bgs., c.l., Tenn ton. 17.50 -21.50
crushed, shed moisture, bulk, c.l., Tenn ton. 8.00 -11.00
Imp., airfloated, bgs., c.l., Atl. port net-ton. 42.00 -45.75
lump, bulk, Atl. port net-ton. 29.50 -35.75
Clay, China, dom., dry-grd., airfloated, 99%, 325 mesh, Georgia, bgs., c.l., works. ton. 10.00 -12.00
Georgia, bgs., l.c.l. works. ton. 15.50 - —
300 mesh bgs., c.l., Georgia, works ton. 13.50 -14.50
bgs., l.c.l., ex-whse ton. 35.00 -36.00
Imp., white, lump, bulk, c.l., ex dock, Philadelphia, Portland, Me. long-ton. 20.00 -35.00
powd., bgs., c.l., ex dock. net-ton. 50.00 - —
bgs., l.c.l., ex whse net-ton. 60.00 -70.00
Cleve's acid, mixed, bbls. lb. 1.05 - —
Cloves, Madagascar, bgs. lb. .42½- —
Zanzibar, bgs. lb. .47 - —
Clove bud oil, USP, dms. lb. 2.60 - 3.35
Clove leaf oil, crude, dms lb. 1.00 - 1.25
CMC, crude, 96.4% low or medium vis. bgs. or fib. dms., 23,000 lbs., dlvd. E., 100% basis lb. .41½- —
CMC, crude, 96.4% low, or medium vis., bgs., or fib. dms., less than 23,000 lbs. dlvd. E., 100% basis lb. .43½- —
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .41½- —
bgs. or fib. dms., l.c.l., dlvd. E., 100% basis lb. .43½- —
CMC, purif. high vis. (see Cellulose gum).
CMC, standard, low or medium vis., bgs., 23,000 lbs., works, frt. alld lb. .57 - —
bgs., smaller lots, same basis. lb. .59 - —
CMC prices W. of the Rockies are 2c. per lb. lower and are on a works basis.
Coaltar, crude, resale for solns., tanks, works gal. .16 - —
Refd., resale, indust., dms., c.l., ex whse. gal. .35 - —
dms., l.c.l., ex whse. gal. .39 - —
tanks, works gal. .20½- —
Coaltar pitch, aluminum, bulk, works ton. 44.00 - —
Carbon and indust., bulk, works. ton. 44.00 - —
Core, bulk, works ton. 40.50 - —
Fiber, bulk, works ton. 48.00 - —
Roofing, 140-155°F., Federal Specification RP-381 Type 1, tanks, works ton. 41.00 - —
Cobalt acetate 23.7% Co. dms. dlvd. lb. 1.10 - —
Cobalt blue, genuine, 250 lb. bbls., dlvd. E. of Rockies lb. 4.90 - —
Cobalt blue prices 1c. higher W. of Rockies.
Cobalt blue imitation (see Ultramarine blue).
Cobalt carbonate, 48% Co., powd., bgs., dlvd lb. 1.57 - —
Cobalt chloride, 24.2% Co., dms., dlvd lb. 1.05 - —
Cobalt hydrate 60-61% Co., dms., dlvd. lb. 2.20 - —
Cobalt linoleate, fused 8½% Co., dms lb. .71½- —
Liq., 6% Co., dms. lb. .57½- —
Cobalt metal, 97-99%, kgs., ex whse. lb. 2.00 - —
Cobalt naphthenate liq., 6% Co., dms., dlvd lb. .48¾- —
Cobalt nitrate, 20.1% Co. bbls. dlvd. lb. .85 - —
Cobalt oxide, black, 72½-73½% Co., kgs. lb. 1.52 - —
70-71% Co., kgs. lb. 1.48 - —
Cobalt phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.43 - —
Cobalt resinate, fused, 3% Co. dms. lb. .29½- —
Cobalt sulfate, cryst., 21% Co. dms., dlvd lb. .69 - —
Cobalt sulfate, monohydrated, 33% Co, dms., dlvd lb. 1.17 - —
Cobalt tallate, 6% Co, dms., dlvd. lb. .44 - —
Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Cocaine hydrochloride, cns., 100-oz. lots oz. 13.75 - —
Cocillana bark, bls. lb. .22 - —
Cocoa butter, bgs. lb. .96 - 1.01
Coconut oil, crude, tanks, New York lb. .15¾- —
tanks, Pac. coast lb. .14½- .14¾
Refd., deodorized, dms., l.c.l lb. .24 - —
Coconut oil acids, dist., dms. lb. .23½- .26
tanks lb. .21 - —
double dist. (stripped), dms. lb. .24½- .27
tanks lb. .22 - —
Cod oil, dms., spot lb. .09 - .09¼
Codeine, NF, cns., 100-oz lots oz. 13.25 - —
Codeine hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Codeine phosphate, USP, cns., 100-oz. lots oz. 10.25 - —
Codeine sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil, USP, dms. gal. 1.40 - 1.45
Cohosh root, black, bls. lb. .20 - .22
Blue, bls. lb. .20 - .22
Colchicine, USP, bots. oz. 27.50 -31.00
Colchicum root, bls. lb. .35 - —
Colchicum seed, bgs. lb. .55 - —
Collodion, USP, dms. lb. .32½- —
Flexible, dms. lb. .34 - —
Colocynth pulp, bls. lb. .72 - —
Colombo root, bls. lb. .15 - .16
Condurango bark, bls. lb. .26 - —
Congo copal gum, No. 1, bgs. lb. .25 - .26
No. 2 bgs. lb. .22 - .24
No. 3, bgs. lb. .15¾- .17
Copaiba balsam, cns., dms. lb. .40 - .80
Copaiba oil, cns. lb. 1.75 - 2.50
Copper acetate, bbls., c.l., works. lb. .53 - —
bbls., l.c.l., works lb. .54 - —
Copper carbonate, 55%, bgs., c.l., works lb. .3190- —
bgs., l.c.l., works lb. .3340- —
Copper chloride, cupric, anhyd., dms., works lb. .42 - .42½
Cryst., dihydrate, dms., works, lb. .28¼- .28¾
Cryst., dried, dms., works lb. .36½- .37
Copper chloride, cuprous, dms., works lb. .3680- .3980
Copper cyanide, tech., dms., 20,000-lb. lots or more lb. .609 - —
dms., 1,000-lb. lots or more lb. .619 - —
dms., smaller lots lb. .639 - .659
Copper gluconate, dms. lb. 3.20 - —
Copper hydrate, dms., c.l., frt. alld. E. of Miss lb. .47¼- —
dms., l.c.l., same basis lb. .47¾- —
Copper metal, electrolytic, dlvd. Valley basis lb. .26½- —
Copper naphthenate, liq., 8% Cu, dms., frt. alld lb. .26½- —
Copper nitrate, tech., cryst., dms., works lb. .29 - .31
Copper oleate, solid, 9% Cu, dms., works lb. .45 - —
Copper oxide, black, bbls., 100-5,000-lb. lots, works lb. .42¾- —
Copper oxide, red, 97%, USN, Type I, bbls., 100-5,000-lb. lots. lb. .40½- —
90% USN Type II, bbls., 100-5,000-lb. lots or more, works lb. .38½- —
Copper oxychloride, dms., c.l., works lb. .52 - —
dms., l.c.l., works lb. .53½- .63½
Copper quinolinolate, 18% Cu, dms., ton lots lb. 4.25 - —
10% active quinolinolate, dms lb. 1.14 1.15
Copper resinate, precip, dms., frt. alld lb. .36½- —
Copper sulfate, CP, gran., dms., works lb. .1805- —
Cryst., 99%, bgs., c.l., works. 100 lbs. 11.05 - —
bgs., l.c.l., same basis 100 lbs. 11.55 -14.05
Copper sulfate, monohydrated, 35%, dms., c.l., works 100 lbs. 21.20 - —
dms., l.c.l., works 100 lbs. 21.95 - —
Copper sulfate tribasic, distributors, bgs., c.l., same basis, 100 lbs. 25.15 - —
bgs., l.c.l., same basis 100 lbs. 26.15 -29.15
Copper undecylenate, dms. lb. 2.75 - —
Copra, Atl., Gulf ports, c.i.f. ton. 202.00 - —
Pac. ports, c.i.f. ton. 197.00 - —
Coriander oil, USP, bots. lb. 8.50 -11.50
Coriander seed, Moroccan, bgs. lb. .09 - —
Rumanian, bgs. lb. .07 - —
Yugoslavian, bgs. lb. .08½- —
Corn oil, crude, tanks, works lb. .12 - —
Foots (soapstock) acid 95%, tanks, New York lb. .04¾- —
Refd., salad, dms. lb. .1773- .1803
tanks lb. .1573- —
Corn oil, acids, dist., dms. lb. .17¼- .20
tanks lb. .14¾- —
Corn starch (see Starch, corn).
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min 100 lbs. 7.33 - —
paper bgs., l.c.l. 100 lbs. 7.58 - —
Corn syrup, 42° Be. non-ret. dms., c.l. 100 lbs. 7.31 - —
non-ret. dms., l.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, USP, bulk gram. 2.50 - 3.00
Costus oil, bots. oz. 6.00 - —
Cottonseed meal, 41%, bgs., Memphis ton. 57.00 -58.00
Cottonseed oil, crude, tanks, South, East lb. .11⅜- —
tanks, Valley lb. .11¼- —
tanks, Texas, Lubbock lb. .10¾- —
tanks, Texas, Waco lb. .10⅜- —
Foots (soapstock) acid 95%, tanks, New York lb. .04 - —
Refd., salad, dms. lb. .16½- .16¾
tanks lb. .14½- —
Cottonseed oil acids, dist., dms. lb. .16¾- .19¼
tanks lb. .14¼- —
Cottonseed pitch, raw, dms., works. lb. .03 - .03¼
tanks, same basis lb. .02¾- —
Coumarin, NF, cryst., dms. lb. 3.60 - 3.70
Cramp bark, NF, bls. lb. .85 - .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots. chys., lb. 3.05 - 3.26
Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
crude, soln. 80%, tanks, works. gal. .192 - —
refd., dms., c.l., works gal. .42 - .44
dms., l.c.l., same basis gal. .53 - .55
tanks, same basis gal. .33 - .35
Creosote oil (see Creosote coaltar).
Creosote, wood, beechwood, cbys., dms. lb. 1.60 - 1.65
Hardwood, NF, bots., cbys. lb. 1.30 - —
Pinewood, dms. incl., c.l., works. lb. .0361- —
dms. incl., l.c.l., works lb. .0634- —
dms. incl., l.c.l., ex whse, New York lb. .0745- —
tanks, works lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. alld lb. .16½- —
non-ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .145 - —
Cresol, USP, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
dms., l.c.l., works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
2.97%, 2°C., dms., c.l., frt. equald. lb. .22 - —
dms., l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
o-Cresol 30.5°C., m.p. and over, ret. dms., c.l., frt. equald lb. .17 - —
ret. dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
30°-30.49°C., m.p., dms., c.l., frt. equald lb. .16½- —
ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14½- —
29°-29.9°C., m.p., dms., c.l., frt. equald lb. .16 - —
ret. dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14 - —
o-Cresol, 25-28.9°C., m.p., dms., c.l., frt. equald lb. .15 - —
ret. dms., l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .52 - —
dms., l.c.l., dlvd. lb. .53 - —
tanks, dlvd. lb. .49 - —
2,3-Cresotic acid, dms., ton lots, works lb. .70 - —
dms., smaller lots, works lb. .72 - —
p-Cresyl methyl ether, cns. lb. 1.80 - 2.05
Cresylic acid, coaltar dom., meta-para content above 25%, resins and tricresyl phosphate grades, dms., c.l., t.l., frt. equald gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis gal. 1.15 - —
Cresylic acid, coaltar, dom., meta-para content 25% or less, dms., c.l., t.l., same basis gal. 1.20 - —
dms., l.c.l., same basis gal. 1.25 - —
tanks, frt. equald. gal. 1.00 - —
Cresylic acid, coaltar, imported, meta-para content, 25% or less, f.o.b. works, frt. equald. to competitive points, 50 dms. or more gal. 1.03½- —
less than 50 dms., same basis. gal. 1.05 - 1.15
tanks, same basis gal. 1.00 - —
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .25 - —
Crotonic acid, dms., 200 lbs. or more, l.c.l., works lb. .51 - —
Cryolite, nat., indust., bgs., c.l., works 100 lbs. 13.00 - —
bgs., l.c.l., works 100 lbs. 14.25 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .27 - —
Cubeb berries, XX, NF, bgs. lb. .90 - —
Powd., cs. lb. .95 - —
Cubeb oil, cns lb. 12.00 -15.00
Cumene, dms., c.l., works lb. .12 - —
dms., l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .35 - —
Moroccan, bgs. lb. No prices.
Turkish, bgs. lb. No prices.
Cumin seed oil, bots., cns lb. 7.50 -14.00
Cutch extract, 55% tannin, bgs., ex dock lb. .07½- —
Cyanamide, fertilizer mixing grade, 21% N, gran., bgs., Niagara Falls, Ont., contract ton. 57.00 - —
pulv., 21% N, bgs., works, unit-ton. 2.85 - —
indust. grade, bgs., c.l., works. ton. 75.00 - —
bgs., l.c.l., works ton. 96.00 - —
indust. grade, 6-16 mesh, dms., c.l., works ton. 120.00 - —
dms., l.c.l., works ton. 140.00 - —
Cyclohexane, 99%, tech., dms., c.l., dlvd. E. of Rockies gal. 1.02 - —
dms., l.c.l., same basis gal. 1.10 - —
dms., c.l., dlvd. W. of Rockies. gal. .77 - —
dms., l.c.l., same basis gal. .85 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld. E. lb. .26½- —
dms., l.c.l., works, same basis lb. .27½- —
tanks, works, same basis lb. .24 - —
Cyclohexanone, tech., dms., c.l., works lb. .32½- —
dms., l.c.l., works lb. .35 - —
tanks, works lb. .29 - —

Cyclohexylamine, dms., c.l., works. lb. .49 - —
dms., l.c.l., works ..... lb. .50 - —
tanks, works ..... lb. .47 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl.46.00 - —
6-oz cyls., works ..... cyl.12.00 - —
Cyclopropane, USP, hospitals, cyls., 40-gal. lots. gal. .42 - —
cyls., 100-gal lots ..... gal. .41 - —
cyls., 200-gal. lots ..... gal. .40 - —
Cypress oil, bots. ..... lb. 5.30 - —

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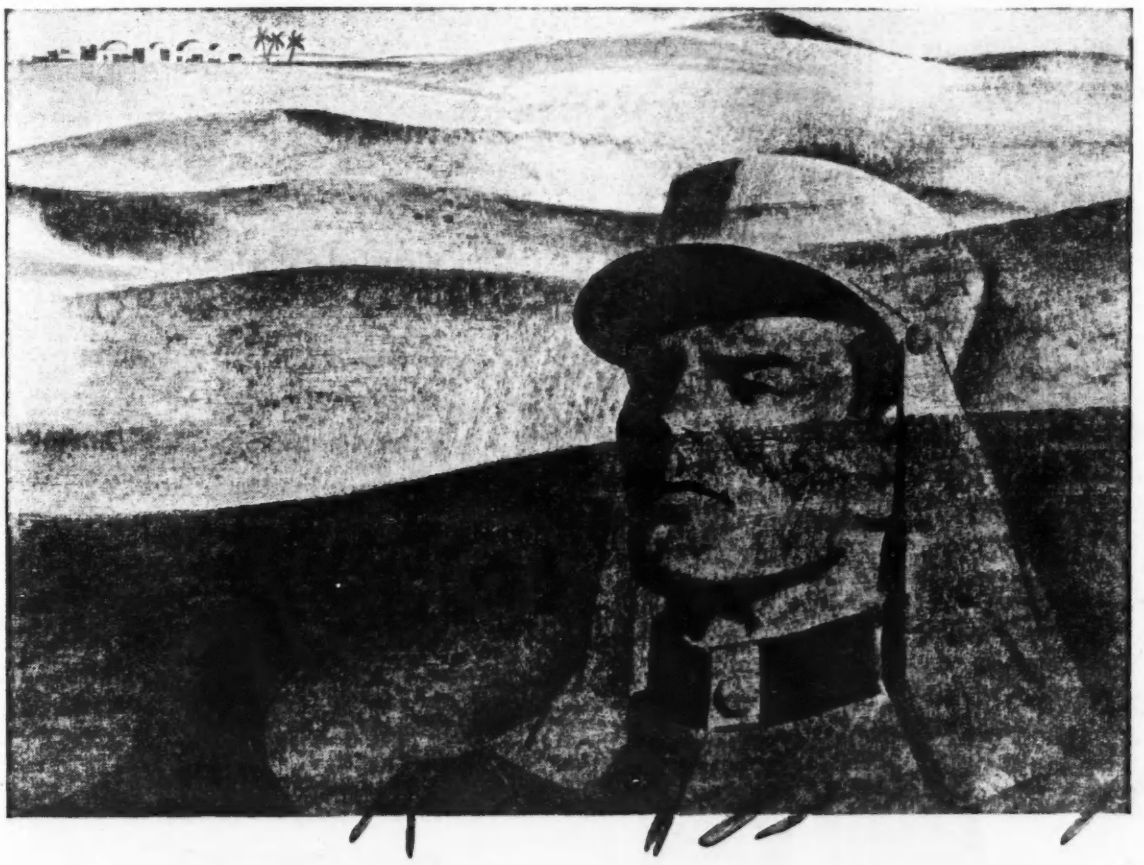
2,4-D, tech., bgs., dms., c.l., works, frt. equald. lb. .40 - —
bgs., dms., l.c.l., same basis .. lb. .45 - .49
2,4-D butyl ester, dms., c.l., works, lb. .43 - —
dms., l.c.l., same basis ..... lb. .48 - .52
tanks, same basis ..... lb. .42 - —
2,4-D isopropyl ester, dms., c.l., works lb. .43 - —
dms., l.c.l., works ..... lb. .48 - .52
tanks, works ..... lb. .42 - —
Dammar gum, Batavia. A/E, cs. .lb. No stocks.
dust, bgs. ..... lb. No stocks.
E, bgs. ..... lb. No stocks.
East India, Batu, bold, bgs. ..... lb. .13¾- .15
nubs and chips, bgs .... lb. .08½- .09½
black, bold, bgs ..... lb. .14½- .16½
unscraped, bgs. ..... lb. .13 - .14½
nubs and chips, bgs. ..... lb. .12¼- .13½
pale, chips, bgs ..... lb. .14½- .16
nubs, bgs. ..... lb. .17¾ - .20
Sigma, cs. ..... lb. .31 - .34
Singapore, No. 1, bgs ..... lb. .37 - .42
No. 2, bgs ..... lb. .31 - .34
No. 3, bgs ..... lb. No stocks.
dust, bgs. ..... lb. .17 - .19
seeds, bgs. ..... lb. No stocks.
Dandelion root, bls ..... lb. .28 - —
DDD, tech., flake, grd., fib. dms., c.l., works lb. .45 - .47
fib. dms., l.c.l., works .... lb. .46 - .48
DDT, flake or lump, bgs., c.l., dlvd lb. .22 - —
bgs., smaller lots, same basis. lb. .24 - —
fib. dms., c.l., same basis lb. .23 - —
fib. dms., smaller lots, same basis lb. .25 - —
Powdered DDT 1c. per pound higher.
1-Decanol, tech., dms., c.l., dlvd. lb. .41 - —
dms., l.c.l., dlvd ..... lb. .43 - —
tanks, dlvd. ..... lb. .38½- —
Decyl alcohol, mixed isomers, dms., c.l., dlvd. lb. .23½- —
dms., l.c.l., dlvd ..... lb. .24½- —
tanks, dlvd. ..... lb. .21 - —
Perfume grade, bots ..... lb. 1.75 - 2.00
Decyl alcohol, normal (see 1-Decanol).
Deertongue leaves, bls ..... lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton.51.00 - —
17% P, paper bgs., c.l., works. ton.60.00 - —
paper bgs., t.l., works ...ton.60.75 - —
18% P, paper bgs., c.l., t.l., works ton.69.12 - —
19% P, paper bgs., works, Houston, Tex., c.l., t.l ton.71.50 - —
Prices of defluorinated phosphate in bulk $3 per ton less than bg. c.l. prices.
Degras, common, bbls. ..... lb. .10 - .12
Neutral, bbls. ..... lb. .21 - .23
Denatured alcohol, ethyl, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd. E. of Rockies. gal. .64½- .66
dms., l.c.l., same basis.... gal. .69½- .77
tanks, dlvd., same basis... gal. .48½- .50
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, proprietary solvent, dms., c.l., dlvd. E. of Rockies. gal. .66 - —
dms., l.c.l., same basis. gal. .71 - .77
tanks, same basis ..... lb. .50 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, SD1, dms., dlvd. E. of Rockies. gal. .65½- —
dms., l.c.l., same basis.... gal. .70½- .76½
tanks, same basis ..... gal. .49½- —
SD2B, dms., c.l., dlvd. E. of Rockies. gal. .64 - —
dms., l.c.l., same basis... gal. .69 - .75
tanks, same basis ..... gal. .48 - —
SD3A, dms., c.l., dlvd. E. of Rockies. gal. .63 - —
dms., l.c.l., same basis.... gal. .68 - .74
tanks, same basis ..... gal. .47 - —
SD23A, dms., l.c.l., dlvd. E. of Rockies. gal. .655 - —
dms., l.c.l., same basis.... gal. .705 - .765
tanks, same basis ..... gal. .495 - —
SD23H, dms., c.l., dlvd. E. of Rockies. gal. .66 - —
dms., l.c.l., same basis.... gal. .71 - .77
tanks, same basis ..... gal. .50 - —
SD29, dms., c.l., dlvd. E. of Rockies. gal. .645 - —
dms., l.c.l., same basis... gal. .695 - .795
tanks, same basis ..... gal. .485 - —
SD30, dms., c.l., dlvd. E. of Rockies. gal. .63 - —
dms., l.c.l., same basis... gal. .68 - .74
tanks, same basis ..... gal. .47 - —
SD33A, dms., c.l., dlvd. E. of Rockies. gal. .66 - —
dms., l.c.l., same basis... gal. .71 - .77
tanks, same basis ..... gal. .50 - —
SD40, dms., c.l., dlvd. E. of Rockies. gal. .64 - —
dms., l.c.l., same basis.... gal. .69 - .75
tanks, same basis ..... gal. .48 - —
For anhyd. alcohol on above formulas, prices are 7c. per gal. higher.
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon, and Washington where a 5c. differential on tankcars is maintained.
d-Desoxyephedrine hydrochloride, dms lb.15.00 -17.00
dl-Desoxyephedrine hydrochloride, dms. lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 9.40 - —
paper bgs., l.c.l. ..... 100 lbs. 9.55 - —
Dextrin, corn, canary dark, paper bgs., c.l. 100 lbs. 9.24 - —
paper bgs., l.c.l. ..... 100 lbs. 9.39 - —
canary light, paper bgs., c.l., 100 lbs. 9.14 - —
paper bgs., l.c.l. ..... 100 lbs. 9.29 - —
white, paper bgs., c.l. 100 lbs. 8.98 - —
paper bgs., l.c.l. ..... 100 lbs. 9.13 - —
Corn dextrin in cotton bgs. 15c. per 100 lbs. higher.
Dextrin, potato, imp., bgs ..... lb. .10¼- .11
Dextrose, hydrated, commercial, bgs., c.l., ex whse. 100 lbs. 7.60 - —
bgs., l.c.l., ex whse. 100 lbs. 7.70 - —
Anhydrous, commercial, bgs., c.l., ex whse. 100 lbs. 8.60 - —
bgs., l.c.l., ex whse. 100 lbs. 8.90 - —
Special anhydrous, al. foil lined fib. dms., 200-lb. dms. 100 lbs.14.70 - —
100-lb. dms. ..... 100 lbs.15.20 - —
USP, dms. ..... lb. .19¾- —

Diacetyl, flavor grade, bots. ..... lb. 4.30 - 4.55
Di-sec-amyl phenol, dms., c.l., works. lb. .32 - —
dms., l.c.l., same basis ..... lb. .33 - —
tanks, works ..... lb. .29½- —
Di-tert-amyl phenol, dms., c.l., works. lb. .32 - —
dms., l.c.l., works ..... lb. .33 - —
tanks, works ..... lb. .29½- —
Diacetone alcohol, acetone-free, dms., c.l., dlvd. lb. .15½- —
dms., l.c.l., dlvd ..... lb. .16½- —
tanks, dlvd ..... lb. .13 - —
Tech., dms., c.l., dlvd ..... lb. .15 - —
dms., l.c.l., dlvd ..... lb. .16 - —
tanks, dlvd. ..... lb. .12½- —
Dialylamine, dms., c.l., dlvd. lb. .985 - —
dms., l.c.l., dlvd ..... lb. .995 - —
tanks, dlvd. ..... lb. .96 - —
o-Dianisidine, dry, tech., fib. dms. lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works. lb. .93 - —
dms., l.c.l., same basis ..... lb. .94 - —
tanks, same basis ..... lb. .91 - —
p-Dibromobenzene, bgs., 500-lb. lots. lb. .55 - —
Dibutyl fumarate, dms., c.l., t.l., frt. alld. lb. .33 - —
dms., l.c.l., t.l., frt. alld ..... lb. .34 - —
tanks, frt. alld ..... lb. .30½- —
Dibutyl maleate, dms., c.l., t.l., frt. alld. lb. .33 - —
dms., l.c.l., t.l., dms, frt. alld. lb. .34 - —
tanks, frt. alld ..... lb. .30½- —
Dibutyl phthalate, dms., c.l., dvd. E. lb. .32½- —
dms., l.c.l., same basis ..... lb. .33½- —
tanks, same basis ..... lb. .30 - —
Dibutyl sebacate, dms., c.l., works. lb. .67½- —
dms., l.c.l., works ..... lb. .68½- —
tanks, works ..... lb. .65½- —

Dibutyl tartrate, dms., works, frt. alld. lb. .65½- —
Dibutylamine, dms., c.l., dlvd. lb. .55½- —
dms., l.c.l., same basis ..... lb. .56½- —
tanks, same basis ..... lb. .53 - —
2,6-Di-tert-butyl-p-cresol, food grade, dms., t.l., c.l., dlvd. lb. 1.20 - —
dms., l.t.l., dlvd ..... lb. 1.24 - —
Feed grade, to vitamin premix distributors, dms., c.l., t.l. dlvd. lb. 1.05 - —
dms., l.c.l., same basis ..... lb. 1.07 - —
2,6-Di-tert-butyl-p-cresol, tech., dms., c.l., dlvd. lb. .91 - —
dms., l.c.l., dlvd ..... lb. .95 - —
tanks, dlvd. ..... lb. .86 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .31 - .33
dms., l.c.l., dlvd ..... lb. .32 - .33
tanks, dlvd. ..... lb. .27½- —
Dicapryl sebacate, dms., c.l., works. lb. .63 - —
dms., l.c.l., works ..... lb. .63½- .64
tanks, works ..... lb. .61 - —
Dichlorophenoxyacetic acid (see 2,4-D).
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¾- —
dms., l.c.l., same basis ..... lb. .13¾- —
tanks, same basis ..... lb. .11 - —
p-Dichlorobenzene, dms., c.l., f.o.b., works, frt. alld. E lb. .12 - —
dms., 2,000 lbs. or more same basis. lb. .14½- —

1,4,-Dichlorobutane, dms., c.l. or t.l., works. lb. .32½- —
dms., l.c.l., or l.t.l., works .. lb. .34 - —
tanks, works ..... lb. .32 - —
Dichlorodiphenyltrichloroethane (see DDT).
2,2-Dichloroethyl ether, dms., c.l., t.l., dlvd. E .lb. .15½- —
dms., l.c.l., l.t.l., same basis .. lb. .16½- —
tanks, same basis ..... lb. .13 - —
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
dms., l.c.l., works ..... lb. .06 - —
tanks, works ..... lb. .03 - —
Dicyclohexylamine, dms., c.l., works. lb. .54 - —
dms., l.c.l., works ..... lb. .55 - —
tanks, works ..... lb. .52 - —
Dicyclohexyl phthalate, fib. dms., c.l., works, frt. alld. lb. .59½- —
fib. dms., l.c.l., same basis lb. .60 - —
Didecyl phthalate, dms., c.l., works. lb. .34 - —
dms., l.c.l., same basis ..... lb. .35 - —
tanks, same basis ..... lb. .31½- —
Dieldrin, dms., dlvd ..... lb. 1.85 - —
dms., l.c.l., dlvd ..... lb. 1.90 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .27 - —
dms., l.c.l., same basis ..... lb. .28 - —
tanks, same basis ..... lb. .24½- —
Diethanolamine lauryl sulfate, dms., c.l. frt. alld. lb. .26 - —
dms., l.c.l., frt. alld ..... lb. .27 - —
tanks, frt. alld ..... lb. .25 - —
Diethyl barbituric acid (see Barbital).



Harshaw DRIERS protect your product quality

Just as you protect the quality of your product, so does Harshaw guard its Drier excellence and uniformity. Harshaw precise manufacturing specifications assure the same quality in each batch of driers time after time. Every batch of driers undergoes the following tests:

Metal Content	Total solids content	Acid value
Specific Gravity	Moisture content	Benzene insoluble content
Color	Penetration	Customer's specified tests
Viscosity	Tack	

Your order can be shipped from any of these eighteen stock points:

Baltimore, Md. • Boston, Mass. • Chattanooga, Tenn. • Chicago, Ill. Cincinnati, Ohio • Cleveland, Ohio • Columbus, Ohio • Detroit, Michigan Gloucester City, N. J. • Houston, Texas • Los Angeles, Calif. Louisville, Kentucky • Philadelphia, Pa. • Pittsburgh, Pa. • Portland, Oregon San Francisco, Calif. • Seattle, Washington • Hastings-On-Hudson, N. Y. Minneapolis, Minn. • St. Louis, Mo.

LIQUID DRIERS • SOLID DRIERS • POWDERED DRIERS • HARSHAW

THE HARSHAW CHEMICAL COMPANY
1945 East 97th Street • Cleveland 6, Ohio

Diethylbenzene, dms., t.l., frt. alld. lb. .16½- —
dms., l.t.l., same basis lb. .18½- —
Diethyl carbonate, dms., c.l., f.o.b. works lb. .47½- —
dms., l.c.l., same basis lb. .48½- —
tanks, same basis lb. .45 - —
tanks, works lb. .40 - —
Diethyl ethanolamines, dms., c.l., dlvd lb. .69½- —
dms., l.c.l., dlvd lb. .70½- —
tanks, dlvd. lb. .67 - —
Diethyl oxalate, dms., c.l., f.o.b. works lb. .42½- —
dms., l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40 - —
Diethyl phthalate, dms., c.l., dlvd. lb. .31½- —
dms., l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .29 - —
Diethyl sulfate, dms., c.l., works lb. .19½- —
dms., l.c.l., works lb. .20¼- —
tanks, works lb. .17½- —
Diethyl toluamide, 90-95% meta isomer, dms., c.l., t.l., works lb. 2.30 - —
5-44 dm. lots, works lb. 2.35 - —
1-4 dm. lots, works lb. 2.40 - —
Diethylamine, dms., c.l., dlvd. E lb. .52 - —
dms., l.c.l., same basis lb. .53 - —
tanks, same basis lb. .49½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .57 - —
dms., l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E lb. .17¾- —
dms., l.c.l., same basis lb. .18¾- —
tanks, same basis lb. .15¼- —
Diethylene glycol diethyl ether, dms., c.l., works lb. .51½- —
dms., l.c.l., works lb. .52¼- —
Diethylene glycol monobutyl ether, c.l., dms., works lb. .30¾- —
dms., l.c.l., works lb. .31¾- —
tanks, dlvd. E lb. .28¼- —
Diethylene glycol monobutyl ether acetate, dms., c.l., works lb. .30¾- —
dms., l.c.l., works lb. .31½- —
tanks, dlvd. E lb. .28¾- —
Diethylene glycol monoethyl ether, dms., c.l., dlvd lb. .22½- —
dms., l.c.l., dlvd lb. .23½- —
tanks, dlvd. E lb. .20 - —
Diethylene glycol monoethyl ether acetate, dms., c.l., works lb. .27¼- —
dms., l.c.l., works lb. .28 - —
tanks, dlvd. E lb. .25¼- —
Diethylene glycol monomethyl ether, dms., c.l., dlvd lb. .21 - —
dms., l.c.l., dlvd lb. .22 - —
tanks, dlvd. E lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .44 - —
dms., l.c.l., dlvd. E lb. .45 - —
tanks, dlvd. E lb. .41½- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo.100.00 -147.50
bots., 1-kilo lot kilo.110.00 -152.50
Digitalis leaves, USP, dom., dms. lb. 1.20 - —
Digitoxin, USP, bots. gram. 4.00 - 4.50
Diglycol laurate, dms. lb. .32¾- .34
Diglycol stearate, dms., ton lots lb. .26 - .28
Diglycolic acid, bgs., works lb. .14 - —
Dihexyl sebacate, dms., c.l., works. lb. .66 - —
dms., l.c.l., works lb. .67 - —
tanks, works lb. .64 - —
Dihydrazine sulfate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .0850- .0875
Dihydrostreptomycin sulfate, bulk. gram. .0850- .0875
1,2-Dihydroxy anthraquinone, dms., works lb. 2.75 - —
2,2-dihydroxy-5-5-dichloro-diphenyl-methane, pure, dms lb. 2.55 - —
tech., dms. lb. 1.09 - —
Di-isobutyl ketone, dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd lb. .18 - —
tanks, dlvd. lb. .14½- —
Di-isobutyl phthalate, dms., c.l., dlvd. E lb. .31½- —
dms., l.c.l., same basis lb. .32½- —
tanks same basis lb. .29 - —
Di-isobutylene, dms., c.l., dlvd. E lb. .10 - —
dms., l.c.l., dlvd. E lb. .11½- —
tanks, dlvd. E lb. .08 - —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .30½- —
dms., l.c.l., same basis lb. .31½- —
tanks, same basis lb. .28 - —
Di-iso-octyl sebacate, dms., c.l., works lb. .62 - —
dms., l.c.l., works lb. .62½- .63
tanks, works lb. .60 - —
Di-isopropanolamine, dms., c.l., dlvd. lb. .23¼- —
dms., l.c.l., same basis lb. .24¼- —
tanks, same basis lb. .20¾- —
Di-isopropylamine dms., c.l., dlvd. E. of Rockies lb. .50½- —
dms., l.c.l., same basis lb. .51½- —
tanks, same basis lb. .48 - —
Dillseed, Indian, dewhiskered, bgs. lb. .12 - —
Dillseed oil, bots. lb. 2.80 - 5.00
Dillweed oil, dom., bots., dms. lb. 3.10 - 4.10
Dimethyl anthranilate, cns. lb. 4.85 - 5.10
Dimethyl ethanolamines, anhyd., dms., c.l., dlvd. lb. 1.225 - —
dms., l.c.l., dlvd. lb. 1.235 - —
tanks, dlvd. lb. 1.20 - —
70% dms. c.l., dlvd., 100% basis, contained amines lb. .68½- —
dms., l.c.l., dlvd., 100% basis. lb. .69½- —
tanks, dlvd., 100% basis lb. .66 - —
Dimethyl hydroquinone, dms. lb. 1.90 - 2.20
Dimethyl phthalate, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Dimethyl sebacate, dms., c.l., works. lb. 1.31 - —
dms., l.c.l., works lb. 1.30 - —
tanks, works lb. 1.28 - —
Dimethyl sulfate, 55-gal. ret. dms., c.l., works lb. .15 - —
55-gal. ret. dms., l.c.l., works lb. .16 - —
10-gal. ret. dms., l.c.l., works lb. .16½- —
Dimethyl sulfide, dms., c.l., works. lb. .16½- —
dms., l.c.l. works lb. .17 - —
tanks, works lb. .15 - —
Dimethylamine, 25% soln., dms., c.l., frt. equald, 100% basis. lb. .38 - —
dms., l.c.l., frt. equald, 100% basis lb. .38½- —
tanks, frt. equald, 100% basis. lb. .28 - —
Dimethylamine, 40% soln., dms., c.l., frt. equald., 100% basis lb. .35 - —
dms., l.c.l., frt. equald, 100% basis lb. .35½- —
tanks, frt. equald, 100% basis. lb. .28 - —
N,N-Dimethylaniline, dms., c.l., frt. alld. lb. .30 - —
dms., l.c.l. frt. alld. lb. .31 - —
tanks, frt. alld. lb. .28 - —
N,N-Dimethylformamide, dms., works. lb. .34 - .39
tanks, works lb. .32 - —
2,4-Dinitroaniline, dms., frt. alld. lb. .80 - —
Dinitroaniline orange toner, CP, bbls., dlvd. E. of Rockies lb. 1.56 - —
Dinitroaniline orange toner prices 1c. higher W. of Rockies.
m-Dinitrobenzene, 85°C., dms. lb. .22 - —
89° C., dms. lb. .24 - —
2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld. E lb. .15¼- —
dms., l.c.l., frt. alld. E. lb. .15¼- —
tanks, frt. alld. E. lb. .15 - —
48°C., dms., c.l., frt. alld. E lb. .20¼- —
dms., l.c.l., frt. alld. E. lb. .20¾- —
tanks, frt. alld E. lb. .20 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene, oily, dms. lb. .11 - —
Refd., 63°C., dms. lb. .23 - —
Dioctyl adipate, dms., c.l., works. lb. .42½- —
dms., l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .30½- —
dms., l.c.l., frt. alld. lb. .31½- —
tanks, frt. alld. lb. .28 - —
Dioctyl sebacate, dms., c.l., works. lb. .61¼- —
dms., l.c.l., works lb. .62¼- —
tanks, works, dlvd. lb. .59¼- —
1,4-Dioxane, dms., c.l., works lb. .30 - —
dms., l.c.l., works lb. .30¾- —
tanks, works lb. .28 - —
Dipentaerythritol, c.l., t.l., dlvd. E. lb. .38 - —
bgs., l.c.l., l.t.l., dlvd. E. lb. .39 - —
Dipentene, dest.-dist., dms., c.l., works gal. .59 - —
dms., l.c.l., works gal. .63 - —
dms., l.c.l., ex whse. gal. .79 - —
tankcars, works gal. .42 - —
Dipentene, steam dist., dms., c.l., works, South gal. .72 - —
dms., l.c.l., dlvd. New York gal. .91 - —
tanks, works, South gal. .55 - —
Dip oil (see Tar acid oil)
Diphenyl, bgs., c.l., t.l., works lb. .17¼- —
bgs., l.c.l., works lb. .19 - —
tanks, works lb. .16 - —
Diphenyl oxide, perfume grade, cns. lb. .65 - .85
Diphenyl phthalate dms., c.l., works. lb. .51¾- —
dms., l.c.l., works lb. .53¾- —
Diphenylamine, refd., flake, bgs., c.l., works, frt. equald lb. .33 - —
bgs., l.c.l., same basis lb. .35 - —
Diphenylamine, refd., fused tanks, same basis lb. .30 - —
Refd., diphenylamine in dms. ½c. per lb. higher.
Diphenylguanidine bgs., dms., ton lots, frt. alld lb. .49 - —
bgs., smaller lots, frt. alld. lb. .50 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.00 - 5.60
Dipropylene glycol, dms., c.l., frt. alld lb. .17¾- —
dms., l.c.l., frt. alld. lb. .18¾- —
tanks, frt. alld. lb. .15¼- —
Dipropylene glycol methyl ether, dms., c.l., dlvd. E lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Dithiodibenzoic acid, dms., 1,000-lb. lots, works lb. 1.45 - —
Di-o-tolylguanidine, dms., ton lots, frt. alld lb. .69 - —
dms., smaller lots, frt. alld. lb. .70 - —
Divi-divi, 45% tannin, bgs., bls., c.l., US ports, ex dock ton 76.00 Nom.
Divinylbenzene, 20-25%, dms., c.l., works, frt. equald lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19 - —
50-60%, dms., c.l., works, 100% basis lb. 1.00 - —
dms., l.c.l., works, 100% basis. lb. 1.05 - —
Dodecylbenzene, dms., c.l., f.o.b., works, frt. equald lb. .14 - —
dms., l.c.l., same basis lb. .15 - —
tanks, same basis lb. .117 - —
Dodecylphenol, c.l., frt. alld. lb. .22 - —
dms., l.c.l., same basis lb. .23 - —
tanks, same basis lb. .19½- —
Dodecylphenol prices on shipments to Western States are 2c. per pound higher.
Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:
Blue, FD&C, No. 1 lb. 15.65 -17.60
No. 2 lb. 15.65 -17.60
Green, FD&C, No 1 lb. 15.65 -17.60
No. 2 lb. 19.60 -22.85
No. 3 lb. 31.30 -35.90
Red, FD&C, No. 1, cns. lb. 5.90 - 7.85
No. 2 lb. 3.30 - 4.10
No. 3 lb. 19.60 -22.85
No. 4 lb. 5.55 - 7.50
Violet, FD&C, No. 1, cns. lb. 15.65 -17.60
Yellow, FD&C, No. 1, cns. lb. 9.15 -11.05
No. 5 lb. 3.30 - 4.10
No. 6 lb. 3.30 - 4.10

dimethyl phthalate
diethyl phthalate
di-(methoxyethyl) phthalate
di-isobutyl phthalate
dibutyl phthalate
di-isooctyl phthalate (DIOP)
dioctyl phthalate (DOP)

Eastman
PLASTICIZERS

dioctyl adipate (DOA)
dioctyl azelate (DOZ)
plasticizer 84
—an octyl butyl phthalate
polymeric plasticizer NP-10
triacetin
tributyrin

For highest quality finished products, rely on Eastman plasticizers—made under the most exacting and rigid specifications in the industry. Samples and technical assistance furnished upon request. Also write for our booklet describing Eastman plasticizers and their uses.

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CHEMICAL PRODUCTS, INC.
KINGSPORT, TENNESSEE
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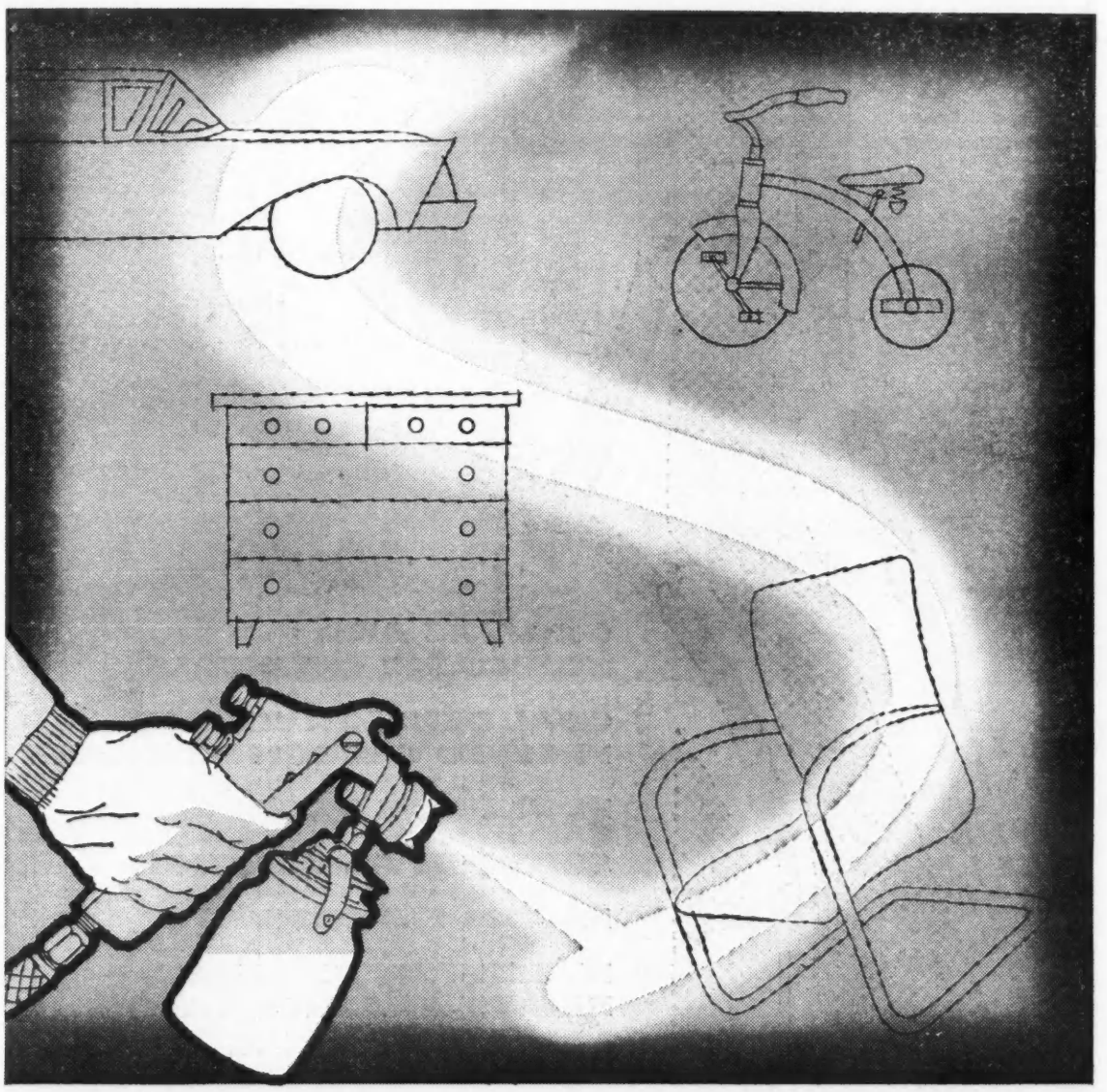
SALES OFFICES: Eastman Chemical Products, Inc., Kingsport, Tennessee; New York City; Framingham, Mass.; Cincinnati; Cleveland; Chicago; Houston; St. Louis. West Coast: Wilson Meyer Co., San Francisco; Los Angeles; Portland; Salt Lake City; Seattle.

Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—			
Black, D&C, No. 1	lb.	10.50	-10.95
Brown, D&C, No. 1	lb.	15.65	-16.10
Green, D&C, No. 5	lb.	15.65	-16.10
No. 6	lb.	13.65	-16.10
No. 7	lb.	14.35	-14.80
Orange, D&C, No. 3	lb.	10.50	-10.95
No. 4	lb.	19.60	-20.05
No. 5	lb.	3.80	- 4.25
Red, D&C, No. 17	lb.	10.50	-10.95
No. 18	lb.	23.60	-24.00
No. 19	lb.	15.00	-15.45
No. 21	lb.	3.90	- 4.35
No. 22	lb.	10.50	-10.95
No. 28	lb.	24.15	-24.65
No. 33	lb.	17.00	-17.45
Violet, D&C, No. 2	lb.	15.65	-16.10
Yellow, D&C, No. 7	lb.	10.50	-10.95
No. 8	lb.	10.50	-10.95
No. 10	lb.	13.05	-13.50
No. 11	lb.	13.05	-13.50
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 500-lb. and 1-lb. lots dlvd:—			
Blue, Ext., D&C, No. 1, cns	lb.	15.65	-16.10
Green, Ext., D&C, No. 1, cns	lb.	15.65	-16.10
Red, Ext., D&C, No. 1, cns	lb.	13.05	-13.50
Yellow, Ext., D&C, No. 1, cns	lb.	10.50	-10.95
Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour index scale or prototype), contract, dlvd. No.			
20 Chrysoldine Y dustless	lb.	.89	- —
27 Fast light, orange 2G	lb.	1.29	- —
21 Phloxine 2G	lb.	1.05	- —
36 Yellow 2G	lb.	1.18	- —
40 Orange R, extra, conc	lb.	1.52	- —
57 Fuchsine 6B	lb.	1.55	- —
79 Scarlet 2R	lb.	1.16	- —
151 Orange AD	lb.	.79	- —
161 Orange	lb.	.94	- —
176 Fast Red A	lb.	1.39	- —
179 Rubine XX, conc	lb.	1.47	- —
180 Blue F4B	lb.	1.31	- —
185 Brilliant scarlet 3RN, conc.	lb.	1.20	- —
202 Chrome blue black R, conc.	lb.	1.07	- —
203 Chrome black T	lb.	.92	- —
208 Fast blue SR	lb.	1.30	- —
234 Brown Y	lb.	1.27	- —
246 Blue black, extra, conc	lb.	1.37	- —
275 Milling red 3R, conc	lb.	1.91	- —
289 Navy blue 3R, conc	lb.	1.70	- —
299 Black F, conc	lb.	2.19	- —
304 Neutral black 2B, conc	lb.	2.61	- —
326 Fast scarlet 4BNC	lb.	2.12	- —
332 Bismark brown RX, conc., dustless	lb.	1.37	- —
265 Brilliant yellow, conc	lb.	3.11	- —
332 Scarlet B	lb.	2.60	- —
401 Diazo black BHD	lb.	.93	- —
406 Blue 2B, extra conc	lb.	1.53	- —
419 Red FC	lb.	1.45	- —
420 Brown M	lb.	1.40	- —
448 Red 4BX, conc	lb.	1.69	- —
518 Diamine sky blue FF, extra, conc	lb.	1.95	- —
561 Brown B	lb.	2.89	- —
581 Black EB, 200%	lb.	1.33	- —
593 Green BY, conc	lb.	1.02	- —
596 Yellow brown K, extra	lb.	1.26	- —
620 Yellow 2G	lb.	1.31	- —
639 Fast Yellow GG	lb.	2.32	- —
640 Yellow XX	lb.	2.30	- —
655 Yellow OX	lb.	2.45	- —
657 Malachite green V, crystals	lb.	2.73	- —
6 2 Brilliant green G	lb.	3.62	- —
667 Milling green 6B, conc	lb.	4.78	- —
6/1 Blue EG	lb.	1.85	- —
681 Crystal violet powder	lb.	2.15	- —
698 Violet 6BN powder	lb.	2.25	- —
720 Brilliant blue BBG	lb.	2.44	- —
729 Blue B, extra conc	lb.	3.61	- —
749 Red BX	lb.	4.76	- —
800 Chinoline yellow ZSS	lb.	2.67	- —
814 Yellow NN, conc	lb.	3.67	- —
841 Safranine GF, extra, conc	lb.	4.11	- —
860 Induline base ZM	lb.	1.07	- —
865 Nigrosine J	lb.	4.76	- —
922 Blue GXX	lb.	2.22	- —
978 Black GXCF, conc	lb.	.38	- —
1034 Alizarin red SC	lb.	3.31	- —
1078 Alizarin syanine green base Z	lb.	6.13	- —
1085 Alizarin blue black B	lb.	3.02	- —
1096 Golden orange GFD, single paste	lb.	2.58	- —
1099 Dark blue BO, single paste	lb.	2.28	- —
1101 Jade green N supra, double paste	lb.	1.55	- —
1106 Blue RS double paste	lb.	3.85	- —
1113 Blue BLFD double paste	lb.	2.92	- —
1151 Brown R single paste	lb.	2.29	- —
1171 Indigo synthetic 20% paste	lb.	.31	- —
1217 Orange RD double powder.	lb.	4.60	- —
p-4 Brown PG	lb.	3.00	- —
p-24 Gray L	lb.	2.08	- —
p-80 Diazo brilliant scarlet ROAD	lb.	3.62	- —
p-202 Diazo black VJ conc	lb.	2.48	- —
p-244 Brilliant scarlet BN	lb.	1.70	- —
p-313 Naphthol SWF	lb.	1.76	- —
Dyes coaltar oil-soluble, 100-lb drums dlvd. No.			
24 Oil orange Z-7078	lb.	1.06	- —
73 Oil Scarlet BL	lb.	1.70	- —
1073 Oil violet ZIRS	lb.	6.81	- —
1078 Alizarin green CG	lb.	3.53	- —
1080 Oil violet special Z	lb.	6.81	- —
Oil black ZBC	lb.	4.46	- —
Oil black ZBD	lb.	3.03	- —
Oil black ZHH	lb.	4.61	- —
Oil black ZMM	lb.	6.52	- —
Oil blue ZN	lb.	8.02	- —
Oil blue ZV	lb.	4.95	- —
Oil orange ZMG	lb.	1.32	- —
Oil red N-1700	lb.	1.76	- —
Oil yellow ZG conc	lb.	6.33	- —
Dyes, coaltar spirit soluble 100 lb. dms. dlvd. No.			
p-517 Spirit yellow 2R conc	lb.	4.62	- —
p-520 Spirit orange ZR conc	lb.	5.87	- —
Spirit black RB	lb.	3.54	- —
Spirit brown ZG	lb.	5.30	- —
Spirit red B conc	lb.	6.41	- —

E

Echinacea root, bls	lb.	1.10	- —
Egg albumin (see Albumin).			
Egg yolk, dried, dom., bbls.	lb.	1.20	- 1.22
tanners, bbls.	lb.	.06	- .06⅛
Elm bark, grinding bls.	lb.	.30	- .32
Powd., bbls., bxs.	lb.	.45	- —
Select, bundles	lb.	.75	- —
Emetine hydrochloride, USP, bots.	oz.	42.00	-48.25
Endrin, tech., dms., t.l., dlvd	lb.	3.44	- —
Eosin red toner, bbls., works	lb.	1.85	- —
Ephedrine, syn., USP, anhyd., bots. 100-oz. lots	oz.	.98	- 1.00
hydrous bots. 100-oz. lots	oz.	.92	- —
Ephedrine hydrochloride, NF, dms.,	oz.	.60	- .65
Ephedrine sulfate, USP, cryst., dms.,	oz.	.60	- .80
Powd., dms.	oz.	.60	- .80
Epichlorohydrin, dms., c.l., dlvd	lb.	.33½	- —
dms., l.c.l., dlvd	lb.	.36½	- —
tanks, dlvd	lb.	.33	- —
1-Epinephrine base syn. USP bots., 100 gram lots	gram	.58	- —
Epsom salt (see Magnesium sulfate).			
Erigeron oil, cns.	lb.	11.00	- —
Ergot, NF dms., tin-lined	lb.	1.60	- —
Eserine salicylate, bots	oz.	72.50	-84.00
Eserine sulfate, bots.	oz.	87.75	- —
1-Epinephrine base, syn., USP bots.,			
Ester gum, gum-rosin type, dms., c.l., dlvd., Ill., Md., Ky., E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.17	- —
Ester gum wood-rosin type, dms., c.l., same basis	lb.	.17	- —
Ether (see specific product).			
Ethyl acetate, nat., ferment, 85-88% dms., c.l., frt. alld.	lb.	.15	- —
dms., l.c.l., dlvd.	lb.	.16	- —
tanks, dlvd.	lb.	.12½	- —
95-98%, dms., c.l., dlvd.	lb.	.15¼	- —
dms., l.c.l., dlvd.	lb.	.16¼	- —
tanks, dlvd.	lb.	.12¾	- —
99%, dms., c.l., dlvd.	lb.	.15½	- —
dms., l.c.l., dlvd.	lb.	.16½	- —
tanks, dlvd.	lb.	.13	- —
Syn., 85-88%, dms., c.l., dlvd	lb.	.15	- —
dms., l.c.l., dlvd.	lb.	.16	- —
tanks, dlvd.	lb.	.12½	- —
95-98%, dms., c.l., dlvd.	lb.	.15¼	- —
dms., l.c.l., dlvd.	lb.	.16¼	- —
tanks, dlvd.	lb.	.12¾	- —
99%, dms., c.l., dlvd.	lb.	.15½	- —
dms., l.c.l., dlvd.	lb.	.16½	- —
tanks, dlvd.	lb.	.13	- —
Ethyl acetoacetate, dms., c.l., dlvd.	lb.	.58½	- —
dms., l.c.l., dlvd.	lb.	.59½	- —
tanks, dlvd.	lb.	.56	- —
Ethyl acrylate, dms., c.l., t.l., dlvd	lb.	.36	- —
dms., l.t.l., dlvd.	lb.	.37	- —
tanks, dlvd.	lb.	.34	- —
Ethyl alcohol, 190 pf., USP, tax paid dms., c.l., dlvd. E. of Rockies	gal.	20.58	- —
dms., l.c.l., same basis	gal.	20.63	-20.69
tanks, same basis	gal.	20.42	- —
Ethyl alcohol, 190 pf., USP, tax-free, dms., c.l., dlvd. E. of Rockies	gal.	.63	- —
dms., l.c.l., same basis	gal.	.68	- .74
tanks, same basis	gal.	.47	- —
Ethyl alcohol, absolute, 200 pf. tax paid, dms., dlvd. E. of Rockies	gal.	21.70	- —
dms., l.c.l., same basis	gal.	21.75	-21.81
tanks, same basis	gal.	21.54	- —
Ethyl alcohol, denatured (see Denatured alcohol, ethyl).			
Ethyl aminobenzoate, USP (see Benzocaine).			
Ethyl amyl ketone, dms., c.l., dlvd.	lb.	.20	- —
dms., l.c.l., same basis	lb.	.21	- —
tanks, same basis	lb.	.17½	- —
Ethyl benzoate, bots.	lb.	.90	- —
Ethyl bromide tech., 98%, dms., c.l., frt. alld. E	lb.	.43	- —
dms., l.c.l., frt. alld. E	lb.	.45	- —
tanks, frt. alld. E.	lb.	.41	- —
2-Ethyl butyl alcohol, dms., c.l., works	lb.	.30	- —
dms., l.c.l., works	lb.	.30¾	- —
tanks, works	lb.	.28	- —
Ethyl butyl ketone, dms., c.l., t.l., works	lb.	.36	- —
dms., l.c.l., l.t.l., works	lb.	.36¾	- —
tanks, works	lb.	.34	- —
Ethyl butyrate, works	lb.	.90	- 1.00
Ethyl carbamate (see Urethane).			
Ethyl cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, frt. alld. E	lb.	.73	- —
bgs., smaller lots, frt. alld. E.	lb.	.73	- —
Ethyl cellulose, vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, frt. alld. E.	lb.	.68	- —
bgs., smaller lots, frt. alld. E.	lb.	.70	- —
Ethyl chloride, tech., cyls., works.	lb.	.20	- .22
dms., works	lb.	.18	- .20
tanks, works	lb.	.10	- —
Ethyl cinnamate, cns.	lb.	3.35	- 3.50
Ethyl ethanolamines, mixed, dms., c.l., dlvd. E	lb.	.43½	- —
dms., l.c.l., dlvd. E	lb.	.44½	- —
tanks, dlvd. E.	lb.	.41½	- —
Ethyl ether, absolute, ACS dms Anesthesia, USP, dealers, 1-lb. cns	lb.	1.01	- —
½-lb. cns.	lb.	1.09	- —
¼-lb. cns.	lb.	1.21	- —
Ethyl ether, indust. dms., c.l., dlvd.	lb.	.13½	- —
dms., l.c.l., dlvd. E.	lb.	.14½	- —
tanks, dlvd. E.	lb.	.11	- —
2-Ethyl hexoic acid dms., c.l., t.l., dlvd. E	lb.	.37	- —
dms., l.c.l., l.t.l., dlvd. E.	lb.	.38	- —
tanks, dlvd. E.	lb.	.34½	- —
(2-Ethyl hexoic acid, 1c. higher W. of Rockies).			



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In surface coating formulations, ethyl amyl ketone (EAK) teams up with low-boiling MEK and medium-boiling MIBK to provide better flow and gloss and aid in eliminating dry overspray.

EAK's slow evaporation rate in surface coating formulations contributes to excellent flow-out, helps minimize pinholing and bubbling in the film. It also possesses excellent blush resistance, good diluent tolerance and high solvency.

EAK is an important component of thinners in various types of coatings—automotive refinishing lacquers, silk-screen printing lacquers and multi-color lacquers, for example. Cellulose esters, vinyl polymers and most other synthetic and natural resins are soluble in EAK.

Because of its interesting chemical structure, EAK is also proving itself to be a valuable intermediate.

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SHELL

2-Ethylhexyl Acrylate—Geranium Oil

2-Ethylhexyl acrylate, c.l. or t.l., straight or mixed frt. alld. E..lb. .47½- —
dms., l.t.l., same basis.....lb. .48½- —
tanks, same basis.....lb. .45 - —
Prices of 2-ethylhexyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
2-Ethylhexyl alcohol dms. c.l. dlvd. lb. .23¾- —
dms., l.c.l., dlvd. .....lb. .24¾- —
tanks, dlvd. .....lb. .21¼- —
Ethyl iodide, cbys., works.....lb. 3.30 - —
Ethyl methacrylate, dms., c.l., frt. equald..lb. .52 - —
dms., l.t.l. frt. equald. .....lb. .52½- —
tanks, frt. equald. .....lb. .50 - —
Ethyl morphine hydrochloride, USP, bots..oz.11.85 - —
Ethyl nitrite (see Nitrous ether).
Ethyl oenanthate, dms. .....lb. 1.20 - 1.50
Ethyl oxalate (see Diethyl oxalate).
Ethyl silicate dist. (see Tetraethyl orthosilicate).
Ethyl silicate, 40% available SiO, dms., c.l., dlvd..lb. .44½- —
dms., l.c.l., dlvd. .....lb. .45½- —
tanks, dlvd. .....lb. .42 - —
N-Ethyl-a-naphthylamine, dms., works. lb. 1.02 - —
N-Ethyl-o-toluidide, bbls. .....lb. .88 - —
Ethylamine (see Mono-, Di-, or Tri-).
N-Ethylaniline dms. c.l. frt. alld. lb. .57 - —
dms., l.c.l. frt. alld. .....lb. .58 - —
tanks, frt. alld. .....lb. .55 - —

Ethylbenzene, 99% dms. c.l. or t.l., frt. equald..lb. .13 - —
dms., l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .12½- —
2-Ethylbutyl alcohol, dms., c.l., works..lb. .30 - —
dms., l.c.l., works.....lb. .30¾- —
Ethylene, contract, ref'y. gate....lb. .0475- .0525
Ethylene dibromide dms. c.l., frt. equald..lb. .30½- —
dms., l.c.l. frt. equald. .....lb. .31½- —
tanks, frt. equald. .....lb. .28½- —
Ethylene dichloride dms., c.l., dlvd. lb. .11½- —
dms., l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .09 - —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Ethylene glycol indust. dms., c.l., dlvd. E..lb. .16 - —
dms., l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .13½- —
Ethylene glycol monobutyl ether, dms., c.l., dlvd. E..lb. .22 - —
dms., l.c.l., dlvd. E. .....lb. .23 - —
tanks, dlvd E. .....lb. .19½- —
Ethylene glycol monoethyl ether, dms. c.l. dlvd. E..lb. .21 - —
dms. l.c.l., dlvd. E. .....lb. .22 - —
tanks, dlvd. E. .....lb. .18½- —
Ethylene glycol monoethyl ether, acetate dms. c.l. dlvd. E..lb. .19½- —
dms., l.c.l., dlvd. E. .....lb. .20½- —
..tanks, dlvd E. .....lb. .17 - —

Ethylene glycol monomethyl ether, dms., c.l., dlvd. E..lb. .21 - —
dms., l.c.l., dlvd. E. .....lb. .22 - —
tanks, dlvd E. .....lb. .18½- —
Ethylene glycol monomethyl ether, acetate dms. c.l. dlvd. E..lb. .29 - —
dms., l.c.l., dlvd. E. .....lb. .29¾- —
tanks, dlvd. E. .....lb. .27 - —
Ethylene glycol monostearate, triple pressed dms..lb. .33 - .35
Ethylene oxide, dms. c.l., dlvd. E. .....lb. .21½- —
dms., l.c.l., dlvd. E. .....lb. .24½- —
tanks, dlvd. E. .....lb. .15½- —
Ethylene trichloride (see Trichloroethylene).
Ethylenediamine, 85-86%, dms., c.l., dlvd. E., 100% basis..lb. .42 - —
dms. l.c.l. dlvd. E. 100% basis. lb. .43 - —
tanks, dlvd. E. 100% basis..lb. .40 - —
Ethylvanillin 100-lb fib. dms. 500-lb. lots and over..lb. 6.75 - —
Eucalyptol, USP, cns., dms. .....lb. 1.10 - 1.40
Eucalyptus oil, NF, rectified, 70-75%, dms..lb. .81 - 1.05
NF, rectified, 80-85%, dms. ....lb. .68 - 1.20
Eugenol, USP, dms.....lb. 1.60 - 2.25
Euphorbia herb bls. .....lb. .15 - .17

F

F acid, crude, paste, bbls., works. lb. 2.10 - —
Feldspar, 140-200 mesh, bulk, c.l., works..ton.19.50 - —
Feldspar in bags $3 per ton. higher.
Fennel oil, sweet USP, cns. .....lb. 2.75 - 2.95

Fennel seed, Argentine, bgs.....lb. .14½- —
French, light, bgs.....lb. .21 - —
Indian, light, bgs. .....lb. .38 - —
Rumanian, bgs. .....lb. .13 - —
Yugoslav, light, bgs.....lb. .33 - —
Fenugreek seed, Moroccan, bgs..lb. .07¾- —
Ferric acetate, soln., USP IX, cbys. lb. .16 - —
USP IX, cbys. .....lb. .17 - —
Ferric chloride, anhyd., tech., dms., c.l., works..100 lbs. 7.50 - —
dms. l.c.l., works.....100 lbs. 8.50 - —
Indust., cryst., bbls., c.l., works. 100 lbs. 5.23 - 6.75
bbls., l.c.l., works.....100 lbs. 5.75 - 7.25
Ferric chloride, 42° Be. photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald. 100% basis..100 lbs. 4.00 - —
USP, cryst. dms., works.....lb. .07½- .09
Ferric citrate, gran., dms. .....lb. .86 - —
Ferric hypophosphite NF dms..lb. 3.45 - —
Ferric naphthenate, liq., 6% Fe, dms., frt. allid..lb. .28¼- —
Ferric oxalate, gran., dms. .....lb. .89 - .91
Ferric oxides (see iron oxides).
Ferric phosphate, NF, soluble, gran. pearls, cs..lb. .64 - .67
Ferric pyrophosphate, NF, VII, soluble, gran., pearls, dms. lb. .79 - —
Ferric resinate 6¾% Fe., dms. ton. lots, frt. allid lb. .36½- —
Ferric stearate, dms., c.l., frt. allid. lb. .39 - —
dms., l.c.l., frt. allid. .....lb. .40 - .44
Ferric sulfate, partly hydrated, bgs., c.l. works..ton.35.25 - —
bgs., l.c.l., works.....ton.36.25 -42.25
bulk, c.l., works .....ton.33.25 - —
Ferric-ammonium citrate, brown, pearls, NF, gran., dms lb. .65 - .68
Green, pearls, USP XII, gran., dms lb. .66 - .69
Ferric-ammonium oxalate, fine gran., dms lb. .27½- .29½
Ferric-potassium oxalate, fine gran., dms lb. .32½- .34½
Ferric-sodium oxalate, fine gran., dms lb. .27½- .29½
Ferrous gluconate, USP, dms. ... lb. .96 - —
Ferrous sulfate, gran., bgs., c.l., works..ton.34.50 - —
bgs., l.c.l., dlvd. Metropolitan area, 100 lbs. 3.35 - 4.25
bbls., c.l., works.....ton.40.00 - —
bulk, c.l., works .....ton.27.00 - —
USP cryst., bbls., dms. .....lb. .09½- .10
Fir balsam, Canada, bbls. .....gal.32.00 -35.00
Oregon, bbls. .....gal. 3.75 - 4.00
Fir oil, Canada, cns. .....lb. 2.85 - 4.00
Fish oil, refd., alkali, dms.....lb. .1350- .1400
Kettle-bodied, dms. .....lb. .1580- .1630
Light-pressed, dms. .....lb. .1200- .1250
tanks .....lb. .1050- —
Fishliver oil, high potency, 100,000 A units per gram, dms. 1,000,000 units. .16 - —
200,000 A units per gram., dms. 1,000,000 units. .17½- —
300,000 A units per gram., dms., 1,000,000 units. .18 - —
Fishmeal, dom., menhaden 60% protein grd., bgs., Chesapeake Bay area..ton.136.00 -138.00
Fishscrap, dom., menhaden, dried, 60% protein, grd., bgs., Chesapeake Bay area.ton.132.00 -134.00
Fleaseed (see Psyllium seed).
Folic acid, USP, bots., fib., dms., 20-kilo lots or more..gram. .48 - —
10% feed grade, fib. dms., 10 kilos or more..kilo.48.00 - —
Formaldehyde, 37%, (inhibited 7 to 8% methanol), USP, dms., c.l., dlvd..lb. .0645- —
tanks, dlvd. .....lb. .0380- —
Formaldehyde, 37%, (inhibited, 12 to 15% methanol), USP, dms., c.l., dlvd..lb. .0670- —
tanks, dlvd. .....lb. .0405- —
Methanol-free (uninhibited), tanks, dlvd lb. .0350- —
Formic acid, 85%, cbys., c.l., works. lb. .1570- —
cbys., l.c.l., works .....lb. .1620- .1720
90%, cbys., c.l., works.....lb. .1625- —
cbys., l.c.l., works.....lb. .1675- .1775
Fringetree bark, bls. .....lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines, ton.19.00 - —
Calcined, bgs., c.l., same basis. ton.20.00 -21.75
Insecticide grade, dried, powd., bgs., c.l., Ga. or Fla. mines ton.17.50 - —
Oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton.16.30 -17.00
200-mesh, bgs., c.l., same basis. ton.17.50 -18.00
Spent, bgs., c.l., ship't. point..ton. 4.50 - 5.00
Fumaric acid, tech., bgs., dms., c.l., frt. alld. E..lb. .27¼- —
bgs., l.c.l., same basis .....lb. .28¼- —
Prices of fumaric acid 1½c. per lb. higher west of Denver.
Furfural, dms., c.l., works .....lb. .13 - —
dms., l.c.l., works.....lb. .14 - —
tanks, dlvd. E. .....lb. .12 - —
tanks, dlvd. W. .....lb. .13 - —
dms., c.l., Memphis, Tenn....lb. .20 - —
Furfuryl alcohol, cns., works.....lb. .29 - —
dms., l.c.l., Memphis, Tenn....lb. .20 - —
Furfuryl alcohol, dms., c.l., Newark, N. J..lb. .21½- —
dms., l.c.l., Newark, N. J. .....lb. .22½- —
tanks, Memphis, Tenn. .....lb. .184 - —
Fusel oil, refd., dms., c.l., dlvd..lb. .18 - —
dms., l.c.l., dlvd. .....lb. .19 - —
tanks, dlvd. .....lb. .15½- —
Fustic extract cryst. No. 1, bbls., l.c.l..lb. .47½- —
No. 2, bbls., l.c.l. .....lb. .45½- —
No. 3, bbls., l.c.l. .....lb. .43½- —
Liq., No. 1, bbls., l.c.l. .....lb. .22½- —
No. 2, bbls., l.c.l. .....lb. .21½- —
No. 3, bbls., l.c.l. .....lb. .19 - —
Solid, No. 1, bxs., l.c.l. .....lb. .45 - —

G

G salt, bbls., frt. alld., 100% basis.lb. .73 - —
Gallic acid, NF VII, bbls., 1,000-lb. lots..lb. 2.00 - —
bbls., smaller lots.....lb. 2.02 - 2.22
Gallic acid, tech., bbls., 1,000-lb. lots..lb. 1.78 - —
bbls., smaller lots.....lb. 1.80 - 2.00
Gamma acid, dry grd., bbls., frt. allid..lb. 1.50 - —
Paste, bbls., frt. allid. .....lb. 1.45 - —
Gammapicoline (see g-picoline).
Garlic oil, dom., bots. .....oz. 4.75 - 6.05
Imp., bots. .....oz. 4.50 - 5.00
Gaultheria oil (see Wintergreen oil).
Gelatin, edible, pure pork skin), 75 AOAC test, bbls., c.l....lb. .53 - —
150 AOAC test, bbls., c.l....lb. .67 - —
200 AOAC test, bbls., c.l....lb. .74 - —
225 AOAC test, bbls., c.l....lb. .77 - —
275 AOAC test, bbls., c.l....lb. .84 - —
Gelsemium root, bls. .....lb. .20 - —
Gentian root, bls. .....lb. .23 - —
Grd., bbls., bxs. .....lb. .27 - —
Powd., bbls., bxs. .....lb. .28 - —
Geraniol, extra, cns., dms. .....lb. 2.50 - 3.00
Standard, cns., dms.....lb. 2.20 - 3.40
Geranium oil, Algerian, cns. .....lb.16.50 -18.50
Bourbon, cns. .....lb.18.00 -22.75
Geranium oil, Turkish (see Palmarosa oil).

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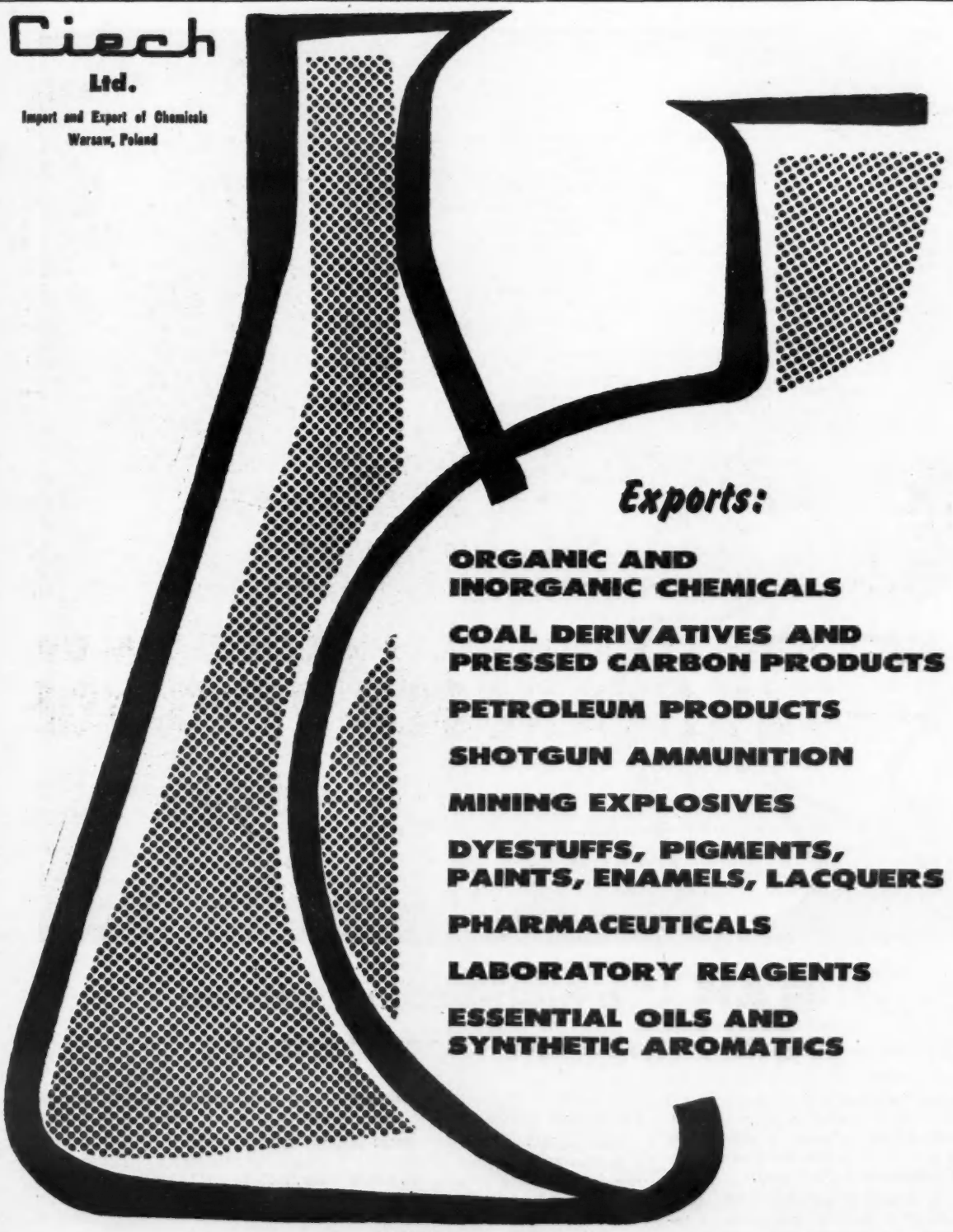

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Geranyl acetate, cns. ..... lb. 2.20 - 2.70
Ginger oil, dist., bots. ..... lb. 11.00 - 16.00
Ginger oleoresin, NF, from African root, bots lb. 5.00 - 5.60
NF, from Jamaican root, bottls. lb. 8.75 - 14.25
Ginger root, Cochin, bgs. ..... lb. .15 - —
Jamaican, No. 3, bgs. ..... lb. .34 - —
Nigerian, split, bgs. ..... lb. .13½ - —
Sierra Leone, bgs. ..... lb. .15 - —
Glauber's salt (see Sodium sulfate).
Gluconic acid, tech., 50%, dms., frt. alld lb. .18 - —
dms. l.c.l., frt. alld. ..... lb. .20½ - —
tanks, frt. alld. ..... lb. .13½ - —
Glue, bone, extracted, dry bone, 86 jellygrams, bgs. c.l., dlvd. lb. .15 - —
131 jellygrams, bgs., c.l., same basis lb. .17 - —
164 jellygrams, bgs., c.l., same basis lb. .17½ - —
191 jellygrams, bgs., c.l., same basis lb. .19 - —
222 jellygrams, bgs., c.l., same basis lb. .22 - —
Glue, bone, green, dry bone, 40 jellygrams, bgs., c.l., same basis lb. .16 - —
65 jellygrams, bgs., c.l., same basis lb. .16 - —
86 jellygrams, bgs., c.l., same basis lb. .16 - —
115 jellygrams, bgs., c.l., same basis lb. .16½ - —
135 jellygrams, bgs., c.l., same basis lb. .17½ - —
164 jellygrams, bgs., c.l., same basis lb. .18½ - —
180 jellygrams, bgs., c.l., same basis lb. .19½ - —
200 jellygrams, bgs., c.l., same basis lb. .20½ - —
Bone glue, l.c.l., prices 1c higher.
Glue, hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .16 - —
95-121, bgs., c.l., dlvd ..... lb. .17 - —
122-149, bgs., c.l., dlvd ..... lb. .18½ - —
150-177, bgs., c.l., dlvd ..... lb. .21 - —
178-206, bgs., c.l., dlvd ..... lb. .23½ - —
207-236, bgs., c.l., dlvd ..... lb. .26 - —
237-266, bgs., c.l., dlvd ..... lb. .28 - —
267-298, bgs., c.l., dlvd ..... lb. .30 - —
299-330, bgs., c.l., dlvd ..... lb. .32 - —
331-362, bgs., c.l., dlvd ..... lb. .34 - —
363-394, bgs., c.l., dlvd ..... lb. .36 - —
395-427, bgs., c.l., dlvd ..... lb. .38 - —
428-460, bgs., c.l., dlvd ..... lb. .40 - —
461-494, bgs., c.l., dlvd ..... lb. .42 - —
495-529, bgs., c.l., dlvd ..... lb. .44 - —
Hide glue, l.c.l., prices 2c higher.
1-Glutamic acid, 99½%, fib. dms., 100-lb. lots, frt. alld lb. 2.00 - —
fib. dms., 25-lb. lots, frt. alld. lb. 2.05 - —
1-Glutamine, bots., 100 gm. lots. gram. .45 - —
Glycerine, dom., nat., crude, saponification, 88%, dlvd. E., tanks lb. .18½ - —
nat., crude, soaplye, 80%, dlvd. E., tanks lb. .16½ - .17
Imp., nat., crude, soaplye, 80%, c.i.f. lb. .17 - —
Glycerine, nat., refd., USP, CP, 98%, dms., c.l., dlvd. lb. .29¾ - —
dms., l.c.l., dlvd ..... lb. .29⅞ - —
tanks, dlvd. ..... lb. .27½ - —
USP, 96%, dms., c.l., dlvd. lb. .28½ - —
dms., l.c.l., dlvd ..... lb. .29 - —
tanks, dlvd. ..... lb. .26¾ - —
Glycerine, high gravity, dms., c.l., dlvd. lb. .29¼ - —
dms., l.c.l., dlvd. ..... lb. .29¾ - —
tanks, dlvd. ..... lb. .27½ - —
Glycerine, syn., dms., c.l., dlvd. lb. .29½ - —
dms., l.c.l., dlvd. ..... lb. .30 - —
tanks, dlvd. ..... lb. .27¾ - —
Glycine (see Aminoacetic acid).
Glycerol (see Glycerine).
Glycolic acid (see Hydroxyacetic acid).
Glyoxal, 30%, dms., c.l., works lb. .20½ - —
dms., l.c.l., works ..... lb. .21¼ - —
tanks, works ..... lb. .18 - —
Golden seal root, NF, tested, bls. lb. 4.10 - —
Grapefruit oil, dms. ..... lb. 1.95 - 2.75
Graphite amorph, powd., bgs., fib. dms., ex whse lb. .06 - .09½
Graphite, amorph., cryst., 88-90%, powd., bgs., fib. dms. ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
93-97%, powd., bgs., fib. dms., ex whse. lb. .29 - .31½
Flake, No. 1, 90-95%, bgs., fib. dms., ex whse. lb. .29 - .31
Flake, No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice all hog, tanks, dlvd. lb. .08¼ - —
Yellow, tanks, dlvd ..... lb. .07½ - —
Grease oil, No. 1, dms., c.l. ..... lb. .15¾ - —
dms., l.c.l. ..... lb. .16¾ - .18¾
extra winter, strained, dms., c.l. lb. .18¼ - —
dms., l.c.l. ..... lb. .19¼ - .21¼
prime, burning, dms., c.l. ..... lb. .19¾ - —
dms., l.c.l. ..... lb. .20¾ - .22¾

Green Pigments

Green pigment quotations are listed individually. For example, prices on Green, chrome, may be found in the C's under Chrome green.

Grindelia robusta herb, bls ..... lb. .45 - —
Guaiacol, NF, cryst. dms., tins. lb. 2.10 - 2.15
NF liq. cbys., dms. ..... lb. 2.30 - 2.40
Guaiacol carbonate, NF, VII, dms. lb. 3.40 - 3.45
Guaiacwood oil, cns. ..... lb. .85 - 1.50
Guar gum, food grade, bgs., c.l. lb. .38 - .44
bgs., 5,000 lbs. or more ..... lb. .39 - .44
Tech. grade, bgs. ..... lb. .30 - .33

Gums

Gum quotations are listed individually. For example, prices on Gum, Dammar, may be found in the D's under Dammar gum.

Gypsum, plaster of Paris, 100-lb. paper bgs., trucks, dlvd. New York ..ton. 20.30 - —
Gypsum, terra alba, dom., 100-lb. paper bgs., trucks, same basis ..ton. 20.00 - —
100-lb. paper bgs., trucks, works, New York ton. 17.00 - —
Imp., English, 100-lb. paper bgs., ex. dock, New York ton. 55.00 - —
100-lb paper bgs., ex whse. ton. 60.00 - 62.00

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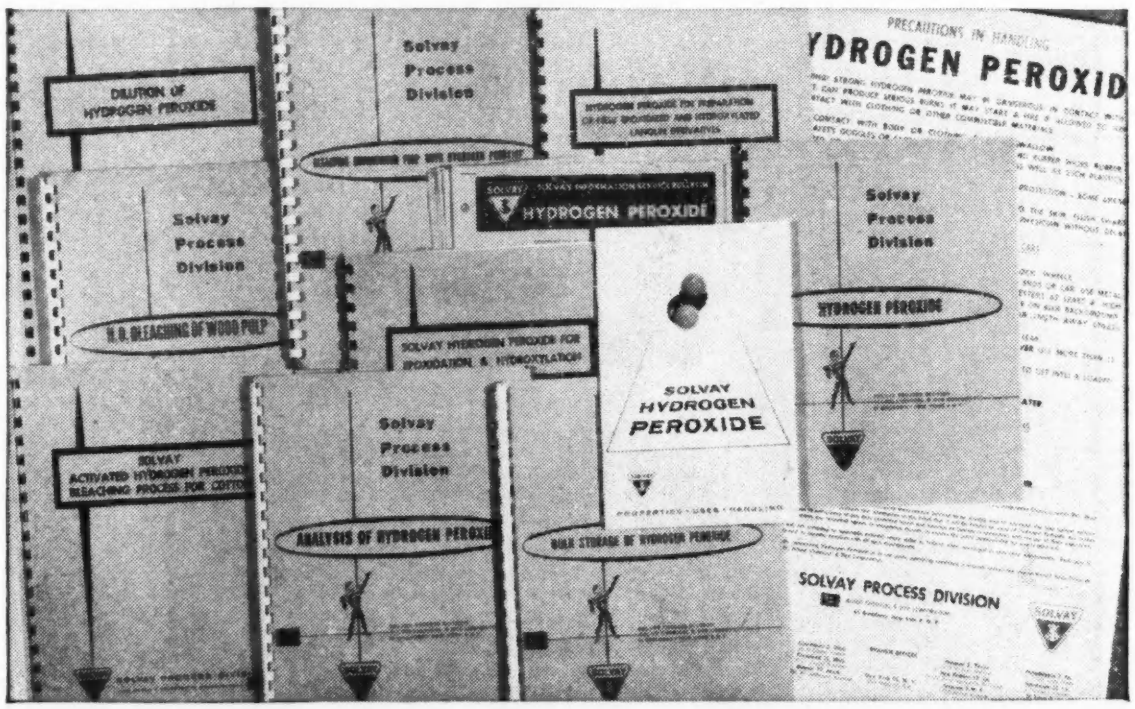
H acid, dry, bbls., c.l., frt. alld., 100% basis lb. .90 - —
bbls., l.c.l., same basis ..... lb. .95 - —
Hansa yellow, 10 G, bbls., dlvd. E. of Rockies lb. 2.45 - —
Hansa G yellow, pigment, bbls. lb. 2.20 - —
Hawthorn berries, bgs. ..... lb. .21 - —
Heliotropin, 100-lb. lots, dms. .... lb. 2.50 - 3.00
Hellebore root, dom., green, bls. lb. .70 - .75
Helonias root, bls. ..... lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. ..... lb. .43 - —
No. 3, bbls., l.c.l. ..... lb. .41 - —
No. 4, bbls., l.c.l. ..... lb. .39 - —
No. 5, bbls., l.c.l. ..... lb. .37 - —
Paste, No. 1, bbls., l.c.l. ..... lb. .20½ - —
Hemlock oil, cns. ..... lb. 2.85 - 3.55
Henbane leaves, bls. ..... lb. .35 - .40
Heptachlor, dms., c.l., t.l., 100% basis, frt. alld lb. .90 - —
Heptane, indust., tanks, Bayonne, N. J gal. .20 - —
tanks, Baytown, Tex. ..... gal. .16¼ - —
tanks, Borger, Tex. ..... gal. .16¼ - —
tanks, Houston, Tex. ..... gal. .16¼ - —
Hesperidin, purif., 100-lb. fib. dms., f.o.b., works lb. 8.95 - —
Hesperidin methylchalcone, bots., 50-lb. lots, works lb. 22.50 - —
bots., 5-lb. lots, works ..... lb. 23.00 - —
bots., 1-lb lots, works ..... lb. 23.50 - —
Hexachlorophene, dms. ..... lb. 1.94 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or New York lb. .233 - —
Hexamethylenetetramine, tech., bgs., 1,000-19,999-lb. lots, same basis. lb. .243 - —
bgs., smaller lots, same basis. lb. .253 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .250 - —
fib. dms., smaller lots, same basis lb. .253 - —
USP, bgs., 500 lbs. or more, f.o.b. Fords, N. J., dlvd. New York and Philadelphia lb. .42½ - —
bgs., smaller lots, same basis lb. .43½ - .48½
Hexane, indust., tanks, Bayonne, N. J gal. .20 - —
tanks, Borger, Tex., dlvd . gal. .16 - —
tanks, Houston, Tex. ... gal. .16 - —
1-Hexanol, dms., c.l., works .... lb. .35 - —
dms., l.c.l., works ..... lb. .35¾ - —
tanks, works ..... lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
n-Hexyl methacrylate, dms., c.l., works lb. .75½ - —
dms., l.c.l., works ..... lb. .76 - —
Hexyl salicylate, dms. ..... lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .17½ - —
dms., l.c.l., dlvd. ..... lb. .18½ - —
tanks, dlvd. ..... lb. .15 - —
Hexylresorcinol, USP, dms., 25-lb. lots or more, dlvd lb. 14.00 - —
dms., smaller lots, dlvd. .. lb. 14.50 - —
Homatropine hydrobromide, USP, bots oz. 3.00 - —
Homatropine methylbromide, USP, bots. .oz. 3.90 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 6.25 - —
Horehound herb, bls. ..... lb. .16 - .19
Hydrastis (see Goldenseal).
Hydrazine hydrate, 85% ret. dms., works lb. 1.35 - 1.55
100%, ret. dms., works ..... lb. 1.60 - 1.90
Hy iriodic acid, 1.50 s.g., cbys. lb. 2.92 - —
1.70 s.g. cbys. ..... lb. 3.23 - —
Hydroabietyl alcohol tech., solid, zone 1, dms., c.l., dlvd lb. .29¼ - —
dms., l.c.l., dlvd. ..... lb. .29¾ - .30¼
tanks, dlvd. ..... lb. .27¼ - —
Zone 1 for hydroabietyl alcohol comprises all of continental US except Ariz., Calif., Colo., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo., and the western part of Texas.
Hydrobromic acid, medicinal, 48%, cbys., dlvd. E lb. .37 - .43
Hydrochloric acid, anhyd. (see Hydrogen chloride)
Hydrochloric acid 18° cbys., c.l., works 100 lbs. 2.50 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt. equald ton. 28.00 - —
20°, cbys., c.l., works 100 lbs. 2.75 - —
cbys., l.c.l., dlvd. Metropolitan area 100-lbs. 3.15 - —
tanks, works frt. equald ton. 30.00 - —
22°, cbys., c.l., works 100 lbs. 3.25 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 3.65 - —
tanks, works frt. equald ton. 35.00 - —
CP, USP, consumers cbys. extra c.l. works lb. .15¾ - —
cbys., l.c.l., same basis lb. .17¼ - .17¾


Solvay Process Division
DILUTION OF HYDROGEN PEROXIDE
HYDROGEN PEROXIDE
N.D. BLEACHING OF WOOD PULP
SOLVAY HYDROGEN PEROXIDE FOR OXIDATION & HYDROXYLATION
SOLVAY ACTIVATED HYDROGEN PEROXIDE BLEACHING PROCESS FOR COTTON
ANALYSIS OF HYDROGEN PEROXIDE
BULK STORAGE OF HYDROGEN PEROXIDE
SOLVAY HYDROGEN PEROXIDE
SOLVAY PROCESS DIVISION
PRECAUTIONS IN HANDLING
YDROGEN PEROXID

AVAILABLE TO YOU – TECHNICAL DATA ON SOLVAY HYDROGEN PEROXIDE

To help you in your current operations—here is authoritative information on the analysis, uses, handling and storage of SOLVAY Hydrogen Peroxide. These booklets, bulletins and the wall precaution chart have been compiled from accepted sources, from SOLVAY'S own research and from 77 years of field experience with chemical consumers in virtually every industrial category. Check the contents of the individual items—then check those that may be helpful to you on the coupon and mail.

HP-1—Solvay Hydrogen Peroxide: Physical properties, chemical reactions, shipping containers, handling, storage. 21 pages.
HP-2—Wall Chart: Precautions for handling hydrogen peroxide.
HP-6—Hydrogen Peroxide Bleaching of Wood Pulp: Applications and methods. 28 pages.
HP-7—Hydrogen Peroxide Bleaching of Groundwood Pulp: Chemicals used, analytical methods, bleaching operations. 15 pages.
HP-9—Hydrogen Peroxide Bulk Storage: Bulk shipping and storage equipment, equipment suppliers. 13 pages.
HP-10—Analysis of Hydrogen Peroxide: Analytical methods, reagents, indicators, standard solutions. 31 pages.
HP-13—Solvay Hydrogen Peroxide for Epoxidation & Hydroxylation: Up-to-date review and bibliography, methods, olefins used, present and potential uses of products. 8 pages.
HP-14—Solvay Activated Hydrogen Peroxide Bleaching Process for Cotton: Process description, operation details, commercial applications, cost and quality comparison. 7 pages.
HP-15—Dilution of Hydrogen Peroxide: How to dilute accurately, equipment and materials needed. 9 pages.
HP-16—Hydrogen Peroxide: Up-to-date review of properties, stabilization, manufacturing methods, purification and concentration (prepared on request for new issue of Encyclopedia of Chemical Technology). 20 pages.
HP-17—Hydrogen Peroxide for Preparation of New Epoxidized and Hydroxylated Lanolin Derivatives: Study of preparation methods and determination of reaction products' characteristics. 8 pages.
NO. 1-56—Information Service Bulletin: Directions and equipment for emptying drums of hydrogen peroxide.
NO. 8-1057—Information Service Bulletin: Directions for unloading tank cars of hydrogen peroxide.
NO. 6-56—Information Service Bulletin: Hydrogen peroxide in oxidation of vat dyes.
NO. 2-57—Information Service Bulletin: Hydrogen peroxide in finishing electroplated surfaces.
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NO. 4-57—Information Service Bulletin: Hydrogen peroxide in shellac bleaching.
NO. 7-957 and NO. 9-1157—Information Service Bulletins: Hydrogen peroxide in wood bleaching.

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Hydrochloric acid, 5-pint bots., extra cs., c.l., same basis..lb. .20¾- —
5-pint bots., extra cs., c.l., same basis..lb. .20¾- —
Hydrocortisone acetate, bulk, bots., kilo lots or more..gram. 2.90 • —
Hydrocortisone alcohol, bulk, bots., kilo lots or more..gram. 2.90 • —
Hydrocyanic acid, dilute, NF, 2%, 5-lb. bots..lb. .40 • —
Hydrofluoric acid, anhyd. (see Hydrogen fluoride)
Hydrofluoric acid, aqueous, 70%, 55-gal. dms., c.l., t.l., dlvd. 100 lbs.19.25 • —
55-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs.20.75 • —
20-gal. dms., c.l., t.l., dlvd. 100 lbs.21.00 • —
20-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs.22.50 • —
tanks, works frt. equald. 100 lbs.15.50 • —

Delivered prices apply to all states east of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Washington and Wyoming. In those states add $2.70 per cwt. for drum delivery.

Hydrofluosilicic acid, dms., works, 30% basis..lb. .06 • —
Hydrofuramide dms., fib. etns., works..lb. .30 • .40
50-lb. cyls., l.c.l., works..lb. .55 • .60
Hydrogen chloride, anhyd. 50-lb. cyls., l.c.l., works..lb. .45 • —
Hydrogen cyanide liq., 98% tanks, works..lb. .16 • —
Hydrogen fluoride, anhyd., cyls., dlvd. E..lb. .30½- .32½
cyls. dlvd. W. ..lb. .39 • —
tanks, works..lb. .21 • —
Hydrogen peroxide, USP, bbls. dlvd. lb. .03¾- .05
35%, dms., c.l., dlvd. ..lb. .202 • —
dms., l.c.l., dlvd. ..lb. .211 • —
tanks, dlvd. ..lb. .1800- —
Hydroquinone photo grade, dms..lb. 1.03 • 1.06
Tech. dms., c.l., dlvd. ..lb. .82½- —
dms., l.c.l., dlvd. ..lb. .84½- —
Hydroxyacetic acid, tech., 70%, dms., Philadelphia and Chicago..lb. .11 • —
tanks, Belle, W. Va. ..lb. .073 • —
Hydroxycitronellal, cns. ..lb. 4.80 • 5.30
Hydroxyethyl cellulose, low viscosity grades, 20,000-lb. lots or more, f.o.b. shipping point..lb. 1.00 • —
2,000 to 19,999-lb. lots, same basis..lb. 1.05 • —
150 to 1,999-lb. lots, same basis. lb. 1.07 • —
Less than 150-lb. lots, same basis..lb. 1.17 • —
Hydroxyethyl cellulose, high viscosity grades, 20,000-lb. lots or more, more, f.o.b. shipping point..lb. 1.10 • —
2,000 to 19,999-lb. lots, same basis..lb. 1.15 • —
Hydroxyethyl cellulose, 85 to 1,999-lb. lots, same basis..lb. 1.17 • —
Less than 85-lb. lots, same basis. lb. 1.27 • —
Hyoscine salts (see Scopolamine)
Hyoscyamine hydrobromide, bots.oz. 6.00 • 7.00
Hyoscyamine sulfate, bots. ..oz. 6.00 • 6.50
Hypernic extract, cryst. No. 1 bbls., l.c.l..lb. .52 • —
Liq. No. 1 bbls., l.c.l. ..lb. .35 • —
No. 2, bbls., l.c.l. ..lb. .27 • —
Hypophosphorous acid purif. 50% cbys., ton lots, f.o.b. works..lb. .85 • —
NF, 30%, cbys., all quantities, same basis..lb. .73 • —

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Ichthammol, NF, dms. ..lb. .75 • 1.05
Indigo (see Dyes coaltar, 1171 indigo, syn).
Indole, CP, bots ..lb. 15.75 • 18.25
Inositol bots., dlvd. ..lb. 5.00 • —
dms., dlvd. ..lb. 4.50 • 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs. ..lb. .95 • —
Resub., USP, dms ..lb. 2.00 • 2.02
Iodochlorohydroxyquinolin USP, dms..lb. 3.60 • —
Iodoform, NF, dms., kgs. ..lb. 4.90 • 5.00
a-Ionone, cns. ..lb. 3.80 • 4.15
b-Ionone, cns. ..lb. 4.40 • 4.90
Ipecac root, whole, bgs. ..lb. 8.75 • 9.25
Powd., bbls., bxs. ..lb. 9.50 • 10.00
Irish moss, bleached, prime, bls..lb. .28 • .34
Iron blue, reg., bbls., c.l., dlvd. E.lb. .52 • —
bbls., l.c.l., ton lots, same basis. lb. .53 • —
bbls., smaller lots, same basis. lb. .54 • —
Iron blue, imp., British, bbls., c.l., dlvd., E..lb. .48 • —
bbls., l.c.l., ton lots, same basis. lb. .49 • —
bbls., smaller lots, same basis.lb. .50 • —
Iron blue, alkali-resisting, bbls., c.l., dlvd. E..lb. .57 • —
bbls., l.c.l., ton lots, same basis. lb. .58 • —
bbls., smaller lots, same basis.lb. .59 • —
Iron blue dlvd. prices 1c. higher for Pacific Coast states:—Wash., Ore., Cal., N. M., Ariz., Mon., Wyo., Utah, Col. and Nev.
Iron compounds (see Ferric or Ferrous)
Iron oxide, black, pure, bgs., c.l., works..lb. .14¾- —
bgs., l.c.l., works..lb. .15 • —
Iron oxide, brown, pure, bgs., c.l., works..lb. .14¼- —
bgs., l.c.l., works..lb. .14½- —
Iron oxide, metallic, brown, bgs., works..lb. .05¼- —
Iron oxide, Persian Gulf, red, bgs., c.l., works..lb. .06¾- —
Iron oxide, red, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y..lb. .14¼- —
Iron oxide, red, nat., 75-85% ferric oxide, bgs., c.l., works..lb. .06¼- —
bgs., l.c.l., works ..lb. .06½- —
Iron oxide, Spanish red, bbls., c.l., ex dock..lb. .05¾ Nom.
bbls., l.c.l., ex dock..lb. .06 Nom.
bbls., l.c.l., ex whse. New York. lb. .06½ Nom.
Iron oxide, yellow, nat., French type, bgs., c.l. works lb. .06¼- —
Peruvian type, bgs., l.c.l lb. .023 • .024
Iron oxide, yellow, pure, light lemon shade, bgs., c.l., works..lb. .12¼- —
Other shades, same basis lb. .12 • —
Isoamyl alcohol, dms., c.l., works, frt. alld. E..lb. .28 • —
dms., l.c.l., same basis ..lb. .29 • —
tanks, same basis ..lb. .25 • —
Isoborneol, cns. ..lb. 1.44 • 1.80
Isobornyl acetate, cns. ..lb. .48 • .56
Isobornyl formate, dms. ..lb. 1.20 • —
Isobornyl proprionate, dms. ..lb. 1.33 • 1.35
Isobutyl acetate, perfume grade, cns..lb. .75 • 1.00
Solvent grade, dms., c.l., dlvd. E. of Rockies..lb. .15¼- —
dms., l.c.l., same basis..lb. .16¼- —
tanks, same basis ..lb. .12¾- —
Isobutyl alcohol, dms., c.l., dlvd. lb. .16 • —
dms., l.c.l., dlvd. ..lb. .17 • —
tanks, dlvd. ..lb. .13½- —
Isobutyraldehyde, CP, dms., c.l., dlvd..lb. .27½- —
dms., l.c.l., dlvd. ..lb. .28½- —
Isobutyraldehyde, tech., dms., c.l., dlvd..lb. .21½- —
dms., l.c.l., dlvd. ..lb. .22½- —
tanks, dlvd. ..lb. .19½- —
Isoeugenol, cns. ..lb. 3.55 • 3.75
Isoniazid, powd., bulk, 25-kilo lots or more..kilo.23.00 • 25.50
bulk, smaller lots. ..kilo.24.00 • 26.00
Isonicotinic acid, 100-lb. fib dms., works lb. 4.25 • —
Isonicotinic acid hydrazide (see Isoniazid).
Iso-octyl alcohol, dms., c.l., dlvd. E. lb. .23½- —
dms., l.c.l., dlvd. E. ..lb. .24½- —
tanks, dlvd. E. ..lb. .21 • —
Isopentane, coml. grade, tanks, f.o.b. Tex. refy. gal. .15½- —
Isopropanol (see Isopropyl alcohol).
Isophorone, dms., c.l., works..lb. .24½- —
dms., l.c.l., works..lb. .25¼- —
tanks, works. ..lb. .22½- —
Isopropyl acetate, dms., c.l., dlvd. lb. .14 • —
dms., l.c.l., same basis..lb. .15 • —
tanks, same basis..lb. .11½- —
Isopropyl alcohol, refd., 91%, dms., c.l., dlvd..gal. .53 • —
dms., l.c.l., dlvd. ..gal. .60 • —
tanks, dlvd. ..gal. .37 • —
Refd., 95%, c.l., dms., dlvd..gal. .55 • —
dms., l.c.l., dlvd. ..gal. .62 • —
tanks, dlvd. ..gal. .39 • —
Refd., 99%, dms., c.l., dlvd. gal. .57 • —
dms., l.c.l., dlvd, ..gal. .64 • —
tanks, dlvd. ..gal. .41 • —
Isopropyl benzene (see Cumene).
Isopropyl ether, dms., c.l., dlvd..lb. .09½- —
dms., l.c.l., dlvd. ..lb. .10½- —
tanks, dlvd. ..lb. .07 • —
Isopropyl-N-(3-chlorophenyl) carbamate (CIPC), tech., dms., c.l., t.l., works..lb. 1.00 • —
dms., l.c.l., works..lb. 1.05 • 1.25
tanks, works. ..lb. .99 • —
Isopropylamine (see Mono, Di, or Tri-).
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works..lb. .75 • —
450-lb. fib. dms., l.c.l., works..lb. .80 • .90
Isoquinoline, dms., works ..lb. .65 • 1.25
Itaconic acid, purif. fib. dms., c.l. works..lb. .54 • —
fib. dms. l.c.l., works ..lb. .55 • —
Tech. fib. dms., c.l. works..lb. .44 • —
fib. dms., l.c.l., works..lb. .45 • —

J

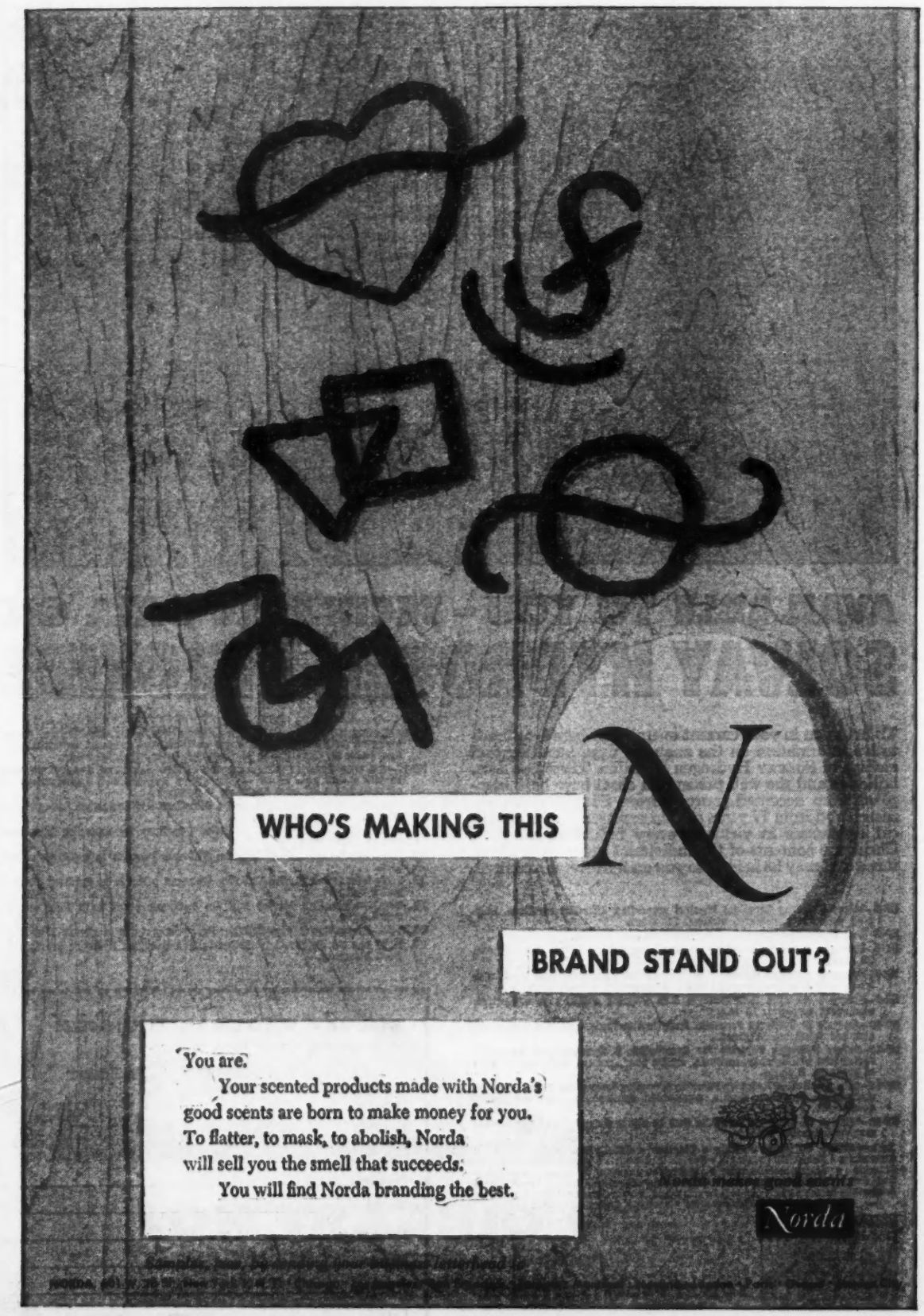
J acid, paste, bbls., works, 100% basis..lb. 2.45 • —
Powd. bbls., same basis..lb. 2.50 • 2.85
Jalap root, NF, bls. ..lb. .85 • —
powd., bbls., bxs. ..lb. 1.00 • —
Japan wax, cs. ..lb. .30 • .31
Juniper berries, bgs. ..lb. .15 • —
Juniper berry oil, bots. ..lb. 2.90 • 3.75
Twice rectified bots. ..lb. 3.60 • 7.00
Juniper tar oil, NF, dms..lb. .42 • .60
Juniper wood oil, tech. cns. ..lb. .38 • .55

K

Kaolin (see also Clay, China).
Kaolin, NF, powd., fib. dms. ..lb. .10 • .12
colloidal, 50-lb. bgs. ..lb. .15½- .17¼
Karaya gum No. 1, NF, powd. bbls..lb. .38 • .42
No. 2, powd., bbls. ..lb. .32 • .34
No. 3, powd., bbls. ..lb. .28 • .30
Koch acid, bbls., frt. alld., 100% basis..lb. 1.60 • —
Kola nuts, bgs. ..lb. .13 • —

L

L acid, bbls., works..lb. 1.25 • —
Lacquer diluent, pertoleum, 150°-240° F b.r., tanks, west coast, ex tax, Los Angeles gal. .174 • —
tanks, east coast, N. J., N. Y. gal. .20 • —
Lacquer diluent, benzene type, tanks, group 3..gal. .1550- —
Toluene type, tanks, group 3..gal. .14375- —
tanks, Houston, Tex. ..gal. .16 • —
Lactic acid, edible, 50%, bbls. dms., c.l., frt. equald..lb. .1789- .2740
bbls. dms. 20 or more, frt. equald..lb. .1639- .2790


WHO'S MAKING THIS
N
BRAND STAND OUT?
You are.
Your scented products made with Norda's good scents are born to make money for you. To flatter, to mask, to abolish, Norda will sell you the smell that succeeds.
You will find Norda branding the best.
Norda makes good scents
Norda

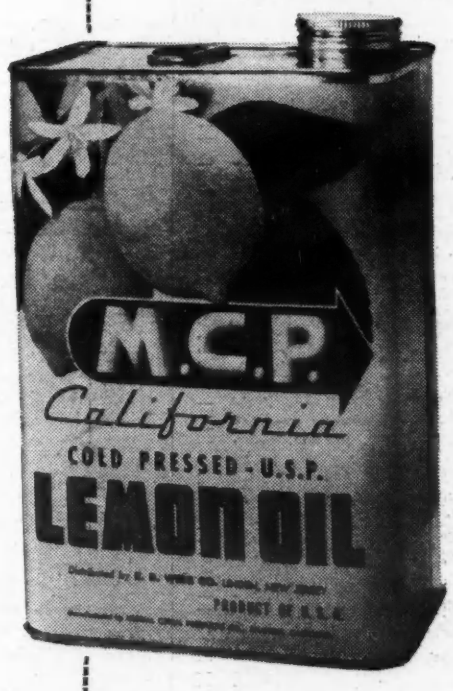
Lactic acid, edible, 50%, bbls., dms., 5 to 19 frt. equald. lb. .1889- .2840
bbls., dms., 1 to 4, frt. equald. lb. .1938- .2890
80%, c.l., bbls., dms., frt. equald. lb. .3039- .4625
bbls., dms., 20 or more, frt. equald. lb. .3089- .4675
bbls. dms. 5 to 19 frt. equald. lb. .3139- .4725
bbls. dms. 1 to 4 frt. equald. lb. .3189- .4775
Plastic grade, 50% c.l., bbls., works. lb. .2740- —
bbls., 20 or more, works. lb. .2790- —
bbls., 5 to 19, works. lb. .2840- —
bbls., 1 to 4, works. lb. .2890- —
80%, bbls., c.l., works. lb. .4625- —
bbls., 5 to 19, works. lb. .4725- —
bbls., 1 to 4, works. lb. .4775- —
Tech., 22%, bbls. c.l., works. 100 lbs. 6.80 - —
bbls., l.c.l., works. 100 lbs. 7.20 - —
44%, bbls., c.l., works. 100 lbs. 11.45 -12.70
bbls., l.c.l., works. 100 lbs. 11.85 -13.10
USP, 85%, cbys. lb. .85 - —
Lactose, crystalline, edible, bgs., 23,000-lb. lots, frt. equald lb. .14 - —
bgs., 6,000-lb. lots, frt. equald lb. .14½- —
bgs., 2,000-lb. lots, frt. equald lb. .14¾- —
bgs., 200-lb. lots, frt. equald. lb. .15¼- —
Edible lactose in fib. dms., ½c. higher.
Lactose, ferment. grade, bgs., c.l., works. lb. .08½- —
USP, fib. dms., 30,000-lb. lots, frt. equald. lb. .21½- —
fib. dms., 2,000-lb. lots, frt. equald. lb. .22¼- —
fib. dms., 200-1,800-lb. lots, frt. equald. lb. .22¾- —
USP lactose in bags ½c. to 1c. lower.
Lactose, USP, spray dried, bgs., t.l., frt. equald. lb. .18½- —
bgs., l.t.l., frt. equald. lb. .19 - .19¾
Lady's slipper root, bls. lb. 3.50 - 3.75
Lake C red toner, alizarine, bbls., works. lb. 1.25 - —
Lamp black, bgs., c.l., works. lb. .16 - .45
Lanolin, cosmetic, dms., works. lb. .27 - .29
USP, anhyd., dms., works. lb. .24 - .26
hydrous, dms., works. lb. .23 - .25
Lard, cash, dms. lb. .1325 Nom.
Lard oil (see Grease oil).
Larkspur seed, bgs. lb. .35 - —
Laurel leaf oil, dms., cns. lb. 9.75 -12.50
Laurent's acid, bbls. lb. .60 - —
Lauric acid, 90%, dms. lb. .31 - .33½
tanks lb. .28½- —
Lauryl alcohol, bots. lb. 2.00 - 2.50
n-Lauryl methacrylate, dms., c.l., t.l. works. lb. .65½- —
dms., l.t.l., works. lb. .66 - —
Lavandin oil, 22-24%, dms. lb. 1.25 - 2.00
Abrial, dms. lb. .95 - 1.50
Lavender flowers, medium, bls. lb. .75 - .80
Ord., bls. lb. .25 - .40
Select., bls. lb. 1.10 - —
Lavender flower oil, USP, French, 35-37% ester, cns. lb. 3.50 - 9.50
38-42% ester, cns. lb. 8.75 -13.00
Spike, Spanish, cns. lb. 2.20 - 2.85
Lead acetate, NF, cryst., gran., powd. lb. .34½- —
White, cryst., bbls. lb. .25½- —
gran., bbls. lb. .26½- —
powd., bbls. lb. .26½- —
Lead arsenate, acid powder, dealers, 5-lb. bgs. or larger, c.l., frt. alld. on 95 lbs. or more. lb. .27½- —
3-lb. bgs. or larger, l.c.l., frt. alld. lb. .28½- —
1-lb. bgs., c.l. lb. .41½- —
1-lb. bgs., l.c.l. lb. .42½- —
Lead, blue, basic sulfate, bbls., c.l., shipt. point, frt. alld. lb. .17¼- —
bbls., l.c.l. same basis. lb. .18¼- —
Lead carbonate (see Lead, white, basic carbonate).
Lead chloride, dms. lb. .52 - —
Lead iodide NF V jars lb. 3.82 - —
Lead linoleate fused 26% Pb. dms. lb. .38 - —
Lead metal, prime, pigs, New York. lb. .11 - —
St. Louis lb. .1085- —
Lead monosilicate, bgs., c.l., works, frt. equald. lb. .143 - —
bgs., l.c.l., same basis. lb. .153 - —
Lead naphthenate, liq., 16% Pb, dms., dlvd. lb. .19½- —
24% Pb, dms., dlvd. lb. .24¼- —
Solid, 37% Pb, dms., dlvd. lb. .31¾- —
Lead nitrate, bbls. lb. .26¾- —
Lead orthosilicate-gel, 50-60% PbO_2, dms., works lb. .29¾- .34¼
Lead peroxide, tech. powd., bbls lb. .45 - .50
Lead phthalate dibasic dms., works. lb. .41 - —
Lead, red, 95% Pb_3O_4 or less, bbls., c.l., works, frt. equald lb. .13¼- —
bbls., l.c.l., same basis. lb. .14¼- —
97% Pb_3O_4, bbls., c.l., same basis. lb. .1345- —
bbls., l.c.l., same basis. lb. .1445- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .1345- —
bbls., l.c.l., same basis. lb. .1445- —
lb. .1360- —
bbls., l.c.l., same basis. lb. .1460- —
Lead resinate, precip. 23% Pb, dms., ton lots, dlvd. lb. .40¼- —
Lead salicylate, normal, dms., works. lb. .46 - —
Lead silicate (see Lead white basic silicate).
Lead sulfate (see Lead blue basic sulfate).
Lead tallate, liq., 16% Pb, dms. lb. .15 - —
24% Pb, dms. lb. .18½- —
Solid, 30% Pb, dms. lb. .23¼- —
Lead, white, basic carbonate, bgs., c.l., shipt. pt., frt. alld. lb. .16½- —
bgs., l.c.l., same basis. lb. .17½- —
Lead, white, basic silicate, bgs., c.l., shipt. pt., frt. alld lb. .15½- —
bgs., l.c.l., same basis. lb. .16½- —
Lead, white, basic sulfate, bgs., c.l., shipt. pt., frt. alld. lb. .16¼- —
bgs., l.c.l., same basis. lb. .17¼- —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works. lb. .14 - .15
non-ret. dms., l.c.l., same basis. lb. .15 - .16
unbleached, non-ret. dms., c.l., same basis. lb. .13 - .14
non-ret. dms., l.c.l., same basis. lb. .14 - .15
Lemon bioflavonoid complex, fib. dms., 25-lb. lots, works lb. 9.00 - —
Lemon oil, USP, Calif., cns., dms lb. 3.15 - 4.00
Messina, cns. lb. 4.50 - 9.50
Lemongrass oil, cns., dms. lb. .90 - 1.50
dl-Leucine, dms., works. lb. 12.25 -15.00
Licorice root, gran., bls. lb. .15 - .17
Powd., bls. lb. .12 - .15
Whole, bls. lb. .10 - .12
Lignaloe wood oil, Mexican, cns. lb. 2.75 - 3.50
Lignosulfonate, 70% tannin, bgs., c.l., works. lb. .06½- —
bgs., l.c.l., works. lb. .06¾- .07
Lime, chemical (quicklime), bulk, c.l., 50,000 lbs., works, E. ton. 14.25 - —
Chemical, hydrated, bgs., c.l., same basis. ton. 17.25 - —
Chemical, spray, bgs., c.l., same basis. ton. 18.25 - —
For New York delivery, add $6.29 freight charge.
Lime oil, dist., Mexican, cns. lb. 6.50 - 6.80
West Indian, cns. lb. 6.50 - 6.75
Expressed, West Indian, cns. lb. 6.50 -13.70

Lime salts (see Calcium).
Lime-ammonium nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Linalool, ex bois de rose oil, dms. lb. 4.10 - 4.50
Syn., 98-100%, dms., works. lb. 4.40 - —
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 4.40 - 5.35
96-98%, dms. lb. 4.95 - 5.60
Ex petitgrain, bots. lb. 4.80 - 5.90
Syn., 98-100%, dms., works. lb. 4.40 - —
Lindane, 25%, formulation dealers, dms., frt. alld. lb. 1.65 - 1.82
Lindane, 99%, tech. formulators, dms., frt. alld. lb. 2.65 - 3.25
Linden flowers, with leaves, bls. lb. .25 - —
Without leaves, bls. lb. .30 - —
Linseed meal expeller, 32% bulk, Minneapolis, mills ton. 56.00 -56.30
Extracted, 34% bulk, same basis. ton. 49.00 -49.50
Linseed oil, raw, dms., c.l., New York. lb. .1670- —
dms., l.c.l., New York. lb. .1770- —
tanks, f.o.b. Minneapolis. lb. .1320- —
tanks, New York. lb. .1470- —
tankwagon, New York. lb. .1510- .1530
Boiled linseed oil, .006c. per lb. higher.
Linseed oil acids, dist., dms. lb. .1970- —
Water-white, dms. lb. .2270- —
Linseed pitch, dms. lb. .06 - .06¾
Litharge, coml. powd., bbls., c.l., works, frt. equald. lb. .12¾- —
bbls., l.c.l., same basis. lb. .13¾- —
Lithium benzoate, dms. lb. 1.65 - 1.67
Lithium bromide, NF, gran., works, frt. equald. lb. 2.60 - —
Lithium carbonate, NF, dms., c.l., t.l., dlvd. lb. 1.29½- —
dms., ton lots to t.l., dlvd. lb. 1.30 - 1.30½
Tech., dms., c.l., t.l., frt. alld. lb. .67 - —
dms., ton lots, same basis lb. .73 - —
dms., smaller lots, same basis. lb. .79 - —
Lithium chloride, CP, anhyd., dms., ton lots lb. 1.23½- —
Tech., anhyd., dms., c.l., t.l., dlvd. or works, frt. alld. lb. .87 - —
dms., l.c.l., same basis. lb. .88 - .92
Lithium citrate, NF, dms., ton lots. lb. 1.50 - —
Lithium fluoride, dms., 20,000-lb. lots, dlvd. lb. 2.15 - —
bbls., ton lots and more, dlvd. lb. 2.18½- —
bbls., less ton lots, dlvd. lb. 2.23½- —
Lithium hydride, powd., dms., 500-lb. lots or more, works lb. 9.50 - —
Lithium hydroxide, monohydrate, dms., c.l., t.l., frt. alld. lb. .72 - —
dms., l.c.l., frt. alld. lb. .73 - —
Lithium manganite, dms., works. lb. .95 - 1.05
Lithium nitrate, tech, dms., 100-lb. lots lb. 1.15 - 1.25
Lithium salicylate, dms. lb. 1.60 - 1.70
Lithium silicate, dms., works. lb. 1.10 - 1.20
Lithium stearate, dms., c.l., works. lb. .47½- —
dms., ton lots, works lb. .48½- —
dms., less-ton lots, works. lb. .53½- —
Lithium sulfate, dms., 100-lb. lots. lb. 1.15 - 1.25
Lithium titanate, dms., works. lb. 1.15 - 1.25
Lithol red toner, barium, bbls., works lb. .98 - —
Lithol-rubine red toner, pure bbls., works. lb. 1.50 - —
Resinated, bbls., works. lb. 1.47 - —
Lithopone, ord., bgs., c.l., dlvd. E. lb. .08¾- —
bgs., l.c.l., dlvd. E. lb. .09¼- —
Lithopone, titanated (high-strength), bgs., c.l., dlvd. lb. .11 - —
bgs., l.c.l., dlvd. lb. .12 - —
Lobelia herb, bls. lb. .45 - —
Lobeline sulfate, bots., works oz. .37.50 -38.50
Locust bean gum, powd., bgs. lb. .38 - .39
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
Liq. No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls. l.c.l. lb. .18½- —
Solid, No. 1, boxes, c.l. lb. .35 - —
Lycopodium, cs. lb. 9.00 - —
1-Lysine monohydrochloride, fib. dms., 25 lbs. or more. lb. 8.00 - —

M

Mace, Siauw, No. 1 bls. lb. 2.45 - —
No. 2, whole, bls. lb. 2.10 - —
siftings, bls. lb. 2.05 - —
Mace oil, dist., cns., dms. lb. 12.75 -15.75
Magnesia, calcined, tech., bgs., ctns., frt. equald lb. .25¾- .26½
Tech., syn., rubber grade, light, bgs., c.l., frt. equald lb. .29¾- .30½
rubber grade, extra light, bgs., c.l., frt. equald lb. .29¾- —
bgs., l.c.l., frt. equald lb. .30½- —
USP, light bgs. lb. .36½- .37¼
heavy, fib. dms. lb. .45 - .52
Magnesite, chemical grade, calcined, powd. bgs., c.l., works, frt. equald. ton. 82.50 - —

ONE LABEL — *First Grade Only*
ONE PRICE — *That Saves You Money*
. . . and Perfect Performance for *Every* Purpose!



M. C. P.
Pure
Unadulterated
California
LEMON OIL
U.S.P.

An *Exclusively First Grade Lemon Oil* . . . Cold Pressed in California . . . and *Packed by the Producer* to Assure Highest Quality

For nearly 30 years, Mutual Citrus Products Co. has been cold-pressing California lemon oil for distribution by others. Now, M.C.P. LEMON OIL is being *prepared and packed* under the M.C.P. label. There is only *one* label and *one* quality — *the highest* — for M.C.P. LEMON OIL. Yet, M.C.P. LEMON OIL costs you *less* . . . while providing a product that is unsurpassed for flavor, purity, and dependability . . . for *every* purpose.

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MUTUAL CITRUS PRODUCTS COMPANY
Since 1928 Growers and Processors of Citrus Products

Distributed by

MUTUAL CITRUS PRODUCTS CO.
424 South Atchison Street, Anahiem, Calif.

R. D. WEBB & CO., INC.
137 Boston Post Road, Cos Cob, Conn.

Magnesite, chemical grade, dead-burnt, standard grain bulk c.l., Chewelah, Wash. . ton. 46.00 - —
Magnesium bromide, cs., jars . . lb. .93 - 1.00
Magnesium carbonate, tech., bgs., c.l., frt. equald . . lb. .10½- —
bgs., t.l., frt. equald . . lb. .11 - —
bgs., l.c.l., frt. equald . . lb. .12½- .13½
Magnesium carbonate, USP, bgs., c.l., frt. equald . . lb. .13 - —
bgs., t.l., frt. equald . . lb. .13½- —
bgs., l.c.l., frt. equald . . lb. .14½- .15½
Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points.
Magnesium chloride, anhyd., 92% flake or pebble dms., c.l., works . . lb. .12¾- —
dms., l.c.l., works . . lb. .14 - .15
Magnesium chloride, hydrous, 99% flake, bgs., c.l., works. ton. 55.00 - —
bgs., l.c.l., works . . ton. 65.00 -80.00
Magnesium gluconate, dms. . . lb. 1.42 - —
Magnesium hydroxide, NF, powd., dms., 500-lbs. or more, f.o.b., works lb. .24½- .25½
Magnesium lauryl sulfate, dms., c.l., frt. alld. . lb. .21 - —
dms., l.c.l., frt. alld. . lb. .22 - —
tanks, frt. alld. . lb. .20 - —
Magnesium metal, 99.8% ingots, 10,000-lb. lots or more, works lb. .36 - —
Pigs, 10,000-lb. lots or more, works . lb. .35¼- —
Sticks, cs. works frt. alld. on carlots . lb. .59 - —
Magnesium nitrate, cryst., dms., works lb. .29 - —
Magnesium oxide (see Magnesia, calcined).
Magnesium peroxide, 15%, dms., works . lb. 1.00 - 1.05
Magnesium phosphate tribasic, NF, bbls lb. .75 - —
Magnesium silicate (see Talc).
Magnesium silicofluoride, dms., works lb. .10½- .12
Magnesium sulfate, tech., bgs., c.l., works . 100 lbs. 2.15 - —
bgs., l.c.l., works. . . . . 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
bgs, l.c.l., 5,000 lbs., 1 withdrawal . 100 lbs. 3.10 - —
bgs, smaller lots . . . . . 100 lbs. 3.35 - —
Magnesium trisilicate, USP, fib. dms., 5,000-lb. lots . lb. .38 - —
fib. dms., 1,000-lb. lots . . . . . lb. .40 - —
fib. dms., 100-lb. lots . . . . . lb. .45 - —
Bulky and super grades of magnesium trisilicate 7c. per. lb. higher.
Malachite green straight, PTMA, bbls. works . lb. 5.30 - —
Malathion, dms., c.l., works . . . . . lb. .89 - —
dms., l.c.l., works . . . . . lb. .92 - 1.01
Maleic acid, cryst., powd., dms lb. .37¼- —
Maleic anhydride dms., c.l., dlvd. E. of Rockies . lb. .28¾- —
dms., l.c.l., dlvd. E. of Rockies . lb. .29¾- —
tanks, dlvd. E. of Rockies . lb. .27¾- —
Prices on maleic anhydride W. of Rockies, 1½c. per. lb. higher.
Malic acid, tech., dms. . . . . lb. .50 - —
Mandelic acid NF dms., 1,000-lb. lots. lb. 2.35 - —
dms., smaller lots . . . . . lb. 2.40 - 2.50
Mandrake root, bls. . . . . lb. .48 - .50
Manganese acetate, dms., dlvd. . . . lb. .35 - —
Manganese borate, tech., fib. dms. lb. .23½- —
Manganese carbonate, chemical grade, 46% Mn, bgs., 20,000-lb. lots and more, works lb. .11 - .10
Manganese chloride, CP anhyd., dms., 20,000-lb. lots, works lb. .21¾- —
Smaller lots, works . . . . . lb. .23½- —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, burlap paper lined bgs., gross for net works . ton. 148.00 - —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, paper bgs., same basis . . . . ton. 144.50 - —
40,000 to 99,999-lb. lots, dms. same basis ton. 152.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Manganous gluconate, dms . . . . lb. 1.84 - —
Manganese hydrate, dms., dlvd . lb. .35 - —
Manganese hypophosphite, NF, dms. lb. 3.52 - —
Manganese linoleate, liq., 4.35% Mn, dms . lb. .35¾- —
Solid, precip., 8.2% Mn, bbls . lb. .41¼- —
Manganese metal, electrolytic, dms., c.l., dlvd. E. . . . . lb. .34 - —
dms., ton lots, dlvd. E. . . . . lb. .36 - —
dms., smaller lots, dlvd. E. . lb. .38 - —
Manganese naphthenate, liq., 6% Mn, dms., frt. alld . lb. .29¾- —
Manganese resinate, fused, 3½% Mn, dms . lb. .25¼- —
Precip., 6½-7% Mn, dms . . . lb. .33 - —
Manganese sulfate, fertilizer grade, 65% $MnSO_4$, bgs., c.l., dlvd. S. E. . ton. 97.50 - —
bgs. l.c.l., dlvd. S. E. . . . . ton. 104.50 - —
Manganese tallate, 6%, dms . . . . lb. .24 - —
Mangrove bark, E. African, 38% tannin, bgs., c.l., ex dock . ton. 67.00 -68.00
Mangrove bark, South American, 30% tannin, bgs., c.l., ex dock . ton. 47.00 -50.00
Manila copal gum, C, bgs. . . . . lb. .35 - .39
DBB, bgs. . . . . lb. .25 - .28
DK, bgs. . . . . lb. No stocks.
DK, dust bgs. . . . . lb. .14 Nom.
MA, soft, bgs. . . . . lb. .20 - .24
WS, bgs. . . . . lb. No stocks.
Mannitol, com'l, fib. dms., ton lots, works . lb. .60 - —
fib. dms. to ton lots, works . lb. .62 - —
fib dms., single dm. works . lb. .65 - —
Marine pitch, dms. . . . . lb. .04¼- .05
MBTS (see Mercaptobenzothiazyl disulfide).
MBT (see 2-Mercaptobenzothiazole).
Melamine, bgs., c.l., works . . . . lb. .30 - —
bgs., l.c.l., works . . . . . lb. .31 - —
Menadione, USP, bots. . . . . gram. .044 - .05
Menhaden oil, crude, tanks, works, Atl. & Gulf . lb. .07 - .07¼
Menthol, nat., USP, Brazilian, cs. lb. 5.00 - 5.25
Japanese, cs. . . . . lb. 7.00 - 7.18
Syn., USP, racemic, cns . . . . . lb. 4.50 - —
2-Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld . lb. .44 - —
bgs., fib. dms. less ton lots, same basis . lb. .46 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton lots, works, frt. alld . lb. .54 - —
bgs., fib. dms., less ton lots, same basis . lb. .56 - —
Mercuric chloride NF, cryst., dms., 50-lb lots or more . lb. 4.98 - —
gran. or powd., dms., 100-lb. lots or more . lb. 4.78 - —
Mercuric cyanide, NF, VIII, powd., fib. dms . lb. 6.84 - —
Mercuric iodide red, NF, X, fib. dms., lb. 7.72 - —
Mercuric oxide, red, NF, X, powd., 50-lb. lots or more . lb. 5.97 - —
Tech., 100-lb. lots or more, works . lb. 5.77 - —
Mercuric oxide, yellow, NF, X, fib. dms . lb. 6.14 - —
tech., bbls., 1,000-lb. lots . . . lb. 5.58 - —
bbls., smaller lots . . . . . lb. 5.60 - —
Mercurous chloride (see Calomel).
Mercurous iodide, yellow, NF . . . lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP XV).
Mercury metal, 76 lbs. per flask, net flask 239.00 -242.00
Mesityl oxide, dms., c.l., dlvd. . lb. .15 - —
dms., l.c.l., dlvd. . . . . lb. .16 - —
tanks, dlvd. . . . . lb. .12½- —
Meta-aminophenol (see m-Aminophenol).
Metachloraniline (see m-Chloroaniline).
Metanilic acid, dms., works . . . . lb. .57 - .75
Metanitroparatoluidine (see m-Nitro-toluidine).
Metanitroaniline (see m-Nitroaniline).
Metaphenylenediamine (see m- Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methacrylic acid, glacial, 98%, dms., truckloads, works . lb. .47 - —
dms., smaller lots, works . lb. .47½- .50
tanks, works . . . . . lb. .45 - —
Methanol, nat., denaturing grade, tanks, frt. alld . gal. .85 - —
Syn: zone 1, dms., c.l. or t.l. min., dlvd . gal. .47½- —
dms., l.c.l., dlvd. . . . . gal. .54½- —
tankwagon, 2,000-4,000 . . gal. lots, dlvd. Metropolitan area . gal. .31 - —
tankwagon, 4,000 gal. min., dlvd gal. .26 - —
tankwagon, 4,000 gal. min., works gal. .25 - —
Zone 2, dms., c.l., or t.l., min. frt. alld. or dlvd. gal. .51½- —
dms., l.c.l., works . . . . . gal. .58½- —
tankwagon, 2,000-4,000 gal. lots, min., dlvd. Metropolitan area gal. .35 - —
tanks, 4,000 gal. min., dlvd. gal. .30 - —
Synthetic methanol zones are: Zone 1 is all continental US E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of US west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine hydroxyanalogue, (calcium salt) 90% min., dms., t.l., frt. alld . . . . . lb. 1.25 - —
dms., l.t.l., same basis . . . . lb. 1.29 - —
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 3.50 - —
Feed grade, 98%, fib. dms., same basis lb. 1.55 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .21½- —
non-ret. dms., l.c.l., same basis. lb. .22 - .22½
Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd. zone 1 lb. .23½- —
non-ret. dms., l.c.l., same basis. lb. .24 - .24½
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Methyl acetone, nat., dms., l.c.l., E. of Miss., frt. alld . gal. .62½- —
Syn., dms., c.l., frt. alld. E. . . gal. .66 - —
dms., l.c.l., frt. alld. E. . . . gal. .72 - —
tanks, frt. alld. E. . . . . gal. .51 - —
Synthetic methyl acetone E. territory comprises all states East of and including Colo., Mont., N. Mex. and Wyo. West territory is made up of all states west of those four.
Methyl acrylate, dms., c.l., t.l., dlvd. lb. .39 - —
dms., l.t.l., dlvd. . . . . lb. .40 - —
tanks, dlvd. . . . . lb. .37 - —
Methyl alcohol (see Methanol).
Methyl amyl acetate, dms., c.l., dlvd. E. lb. .17 - —
dms., l.c.l., dlvd, E. . . . . lb. .18 - —
tanks, dlvd. E. . . . . lb. .14½- —
Methylamyl alcohol, dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd. . . . . lb. .18 - —
tanks, dlvd. . . . . lb. .14½- —
Methylamyl ketone, dms., works. lb. 1.05 - —
Methyl anthranilate, cns. . . . . lb. 2.25 - 2.75
Methyl benzoate, cns., dms. . . . . lb. .65 - .75
Methyl bromide, service organization prices, 40 to 375-lb. cyls., large lots, frt. alld lb. .62 - .65
Methyl cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .83 - —
50-lb. bgs., 2,000-lb. lots and more, same basis lb. .89 - —
50-lb. bgs., smaller lots, frt. alld. on 100 lbs lb. 1.05 - —
Standard vis. (15,400 cps.), 50-lb. bgs., c.l., frt. alld . lb. .89 - —
50-lb. bgs., 2,000-lb. lots and more, same basis . . . lb. .76 - —
50-lb. bgs., smaller lots, frt. alld. on 100-lbs lb. .79 - .89
Methyl chloride, indust. cyls., frt. equald . lb. .22¼- —
tanks, multi-unit, same basis. lb. .16¼- —
tanks, single unit, same basis. lb. .12¾- —
Refrigerator mfrs., cyls., dlvd . lb. other consumers or service men, cyls., dlvd . lb. .40¾- .67¾- —
Methyl chloroform (see 1,1,1-Trichloroethane).
Methyl cinnamate, cns. . . . . lb. 1.55 - 1.80
Methyl ethyl ketone, dms., c.l., dlvd . lb. .15 - —
dms., l.c.l., dlvd. . . . . lb. .16 - —
tanks, dlvd. . . . . lb. .12½- —
2-Methyl-5-ethyl pyridine, dms., c.l., works . lb. .45 - —
dms., l.c.l., works . . . . . lb. .45¾- —
tanks, works . . . . . lb. .43 - —
Methyl formate, refd., dms. . . . lb. .35 - .40
Tech., non-ret. dms., any quantity, works . lb. .10 - —
a-D Methyl glucoside, tech., 100-lb. multiwall paper bgs., c.l., works . lb. .21 - —
100-lb. multiwall paper bgs., t.l., min. 23,000 lbs., works lb. .21½- —
100-lb. multiwall paper bgs., l.t.l., works . . . . . lb. .23 - —
Methyl heptin carbonate, bots . lb. 28.00 -31.00
Methyl p-hydroxybenzoate, fib. dms. lb. 1.90 - 2.00
Methyl ionone, standard, cns., dms. lb. 4.05 - —
Methyl isobutyl carbinol (see Methyl amyl alcohol).
Methyl isobutyl ketone, dms., c.l., dlvd . lb. .17 - —
dms., l.c.l., dlvd. . . . . lb. .18 - —
tanks, dlvd. . . . . lb. .14½- —
Methyl methacrylate, dms., c.l., t.l., frt. equald, with Belle, W. Va. . lb. .31 - —
dms., smaller lots, same basis . lb. .31½- —
tanks, same basis . . . . . lb. .29 - —
Methyl naphthyl ketone, cryst., cns . lb. 3.00 - 4.30
Methyl parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Methyl parathion tech., 80%, dms., frt. alld. E lb. 1.12 - —
Methyl parathion prices 2c. per lb. higher in West.
Methyl roseaniline chloride, NF., 5-lb. fib. dms. . lb. 6.90 - —
Methyl salicate, USP, cns., 500-lb. lots . lb. .62½- .67½
Methyl testosterone, USP, 100-gram bots gram. No Prices.
Methyl violet toner, molybdated, PMA, bbls., dlvd. E. of Rockies lb. 2.80 - —
Methyl violet toner, tungstated, PTMA, bbls., same basis. . lb. 4.35 - —
Methyl violet prices 1c. higher W. of Rockies.
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted . . . . . lb. 3.25 - —
Methylene chloride, tech., straight or assorted, dms., c.l., or t.l. works . lb. .14 - —
dms., l.c.l., l.t.l., works . . lb. .16¾- —
tanks, 4,000-gal. min., tank trucks, maximum load limit, works lb. .12½- —
tanktrucks, 1,000-gal. min., works lb. .13½- —
b-Methylnaphthalene, 32°C., m.p., dms., works lb. .90 - —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-phenyl-3-methylpyrazolone-5),
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works . lb. .04 - —
roofing, 20 to 80 mesh, works lb. .03 - —
Mica, wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06½- —
bgs., l.c.l. ex-whse. . . . . lb. .07¼- —
paint or lacq., bgs., c.l., 325 mesh, works, frt. alld. E. lb. .08¼- —
bgs., l.c.l., ex-whse, or freight alld. E lb. .09 - —
rubber, bgs., c.l., works, frt. alld. E lb. .08 - —
bgs., l.c.l., ex-whse. or frt. alld. E lb. .08¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .08¾- —
bgs. ex-whse. or frt. alld. E. lb. .09 - —
white, 5-10 microns, bgs., c.l., works, frt. alld. E lb. .08¼- —
l.c.l., ex-whse., or frt. alld. E. lb. .09 - —
Mica, wet-grd. W. of Miss. ½c. higher; W. of Rockies 1c. higher.
Microcrystalline wax, petroleum, coating grades, tankcars, works lb. .10 - .11
laminating grades, tankcars, works lb. .11 - .12
Mineral black, bgs., works . . . . lb. .0160- .0673
Mineral oil, white tech., 50-65 vis., non-ret. dms., c.l., f.o.b. refy gal. .62 - —
non-ret. dms., l.c.l., same basis . gal. .67 - —
tankcars, refy. . . . . gal. .46 - —
65-75 vis., non-ret. dms., c.l., same basis gal. .62 - —
tankcars, refy. . . . . gal. .46 - —
80-90 vis., non-ret. dms., c.l., same basis gal. .63 - —
non-ret. dms., l.c.l., same basis . gal. .68 - —
tankcars, refy. . . . . gal. .47 - —
135-138 vis., non-ret. dms., c.l., same basis gal. .69 - —
non-ret. dms., l.c.l., same basis . gal. .74 - —
tankcars, refy. . . . . gal. .53 - —
145-155 vis., non-ret. dms., c.l., same basis gal. .75 - —
non-ret. dms., l.c.l., same basis gal. .80 - —
tankcars, refy. . . . . gal. .59 - —
USP, 180-190 vis., non-ret. dms., c.l., same basis . . . . gal. .77 - —
non-ret. dms., l.c.l., same basis gal. .82 - —
tankcars, refy. . . . . gal. .61 - —
200-210 vis., non-ret. dms., c.l., f.o.b., New York gal. .84 - —
non-ret. dms., l.c.l., same basis gal. .89 - —
tankcars, refy. . . . . gal. .63 - —
300-350 vis., non-ret. dms., c.l., f.o.b. New York gal. .84½- —
non-ret. dms., l.c.l., same basis gal. .89½- —
tankcars, refy. . . . . gal. .68½- —
Mineral orange, American, bbls., c.l., works lb. .1585- —
bbls., l.c.l., same basis . . lb. .1685- —
Mineral spirits, petroleum, odorless, tanks, refy. Watson, Calif. gal. .25 - —
tanks, Borger, Tex. . . . . gal. .25 - —
Houston, Tex. . . . . gal. .25 - —
Philadelphia . . . . . gal. .32 - —
Newark . . . . . gal. .29 - —
New York, dlvd. . . . . gal. .30½- —
Wood River, Ill. . . . . gal. .2725- —
tankwagon, New Jersey, dlvd. gal. .37½- —
tankwagon, New York, dlvd. gal. .38½- —
Mineral spirits, petroleum, regular, tanks, Calif., ex tax San Francisco . gal. .169 - —
tanks, east coast, New Jersey, New York . gal. .18 - —
tanks, group 3 . . . . . gal. .12875- —
tanks, Houston, Tex. . . . gal. .145 - —
tankwagon, Boston . . . . . gal. .20 - —
Buffalo . . . . . gal. .20½- —
Chicago . . . . . gal. .289 - —
Cleveland . . . . . gal. .23½- —
Newark . . . . . gal. .19 - —
New York . . . . . gal. .19 - —
Philadelphia . . . . . gal. .19½- —
Pittsburgh . . . . . gal. .19 - —
Providence . . . . . gal. .20½- —
Mirbane oil (see Nitrobenzene)
MNPT maroon toner, kgs., c.l., works lb. 6.30 - —
Molasses, blackstrap, feed grade, tanks, New Orleans . gal. .14 - .14½
tanks, New York . . . . . gal. .16 - —
Molybdated orange, bbls. . . . . lb. .48 - —
Molybdenum metal, powd., 80 or 200 mesh, ctns., works . kilo. 7.84 - —
325 mesh, ctns., works . . . . . kilo. 9.13 - —
Molybdenum trioxide, pure, dms., works . lb. 1.15 - —
Tech., dms., works, basis Mo. content . lb. 1.39 - —
Molybdic acid, 85% dms., works. lb. 1.20 - —
Monoallylamine, dms., c.l., dlvd . lb. .965 - —
dms., c.l., dlvd. . . . . lb. .995 - —
tanks, dlvd. . . . . lb. .96 - —
Monobutylamine, dms., c.l., dlvd. E. of Rockies . lb. .57½- —
dms., l.c.l., same basis . . . . . lb. .58½- —
tanks, same basis . . . . . lb. .55 - —
Monochloracetic acid, purif. (see Chloroacetic acid, mono).
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E . lb. .10½- —
dms., l.c.l., same basis . . . . . lb. .11½- —
tanks, same basis . . . . . lb. .08¾- —
Monoethanolamine, dms., c.l., dlvd. E . lb. .27½- —
dms., l.c.l., same basis . . . . . lb. .28½- —
tanks, same basis . . . . . lb. .25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% aqueous, solution, dms., c.l., dlvd. E. 100% basis . lb. .38½- —
dms., l.c.l., dlvd. E., 100% basis. lb. .40 - —
tanks, dlvd. E., 100% basis . lb. .35 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidine (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd E . lb. .27½- —
dms., l.c.l., same basis . . . . . lb. .28½- —
tanks, same basis . . . . . lb. .25 - —
Monoisopropylamine, anhyd., dms., c.l., dlvd . lb. .33½- —
dms., l.c.l., same basis . . . . . lb. .34½- —
tanks, same basis . . . . . lb. .31 - —
Monomethylamine, anhyd., cyls., l.c.l., frt. equald., 100% basis . lb. .30 - —
tanks, same basis . . . . . lb. .26 - —
30-35% soln., dms., c.l., frt. equald., 100% basis lb. .36 - —
dms., l.c.l., frt. equald., 100% basis lb. .36½- —
tanks, frt. equald., 100% basis. lb. .26 - —
40% soln., dms., frt. equald., 100% basis lb. .33 - —
dms., l.c.l., frt. equald., 100% basis lb. .33½- —
tanks, frt. equald., 100% basis. lb. .26 - —
Monopentaerythritol, tech., bgs., c.l., dlvd. E . lb. .30 - —
bgs., l.c.l., dlvd. E. . . . . lb. .31 - —
Monopotassium glutamate, dms., 1,000-lb. lots, frt. alld . lb. 3.05 - —
dms, 100-lb. lots, same basis . . lb. 3.25 - —
Monosodium glutamate, dms., any quantity, dlvd . lb. 1.07 - —
Monosodium phosphate (see sodium phosphate, monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-butyl-m-cresol).
Montan wax, dom., refd., bgs. . . . lb. .29 - .30
Imp., crude, Bohemian, bgs. . . lb. .22 - .24
German, bgs. . . . . lb. .26 - .27
Morphine, cns. . . . . oz. 12.40 -12.60
Morphine acetate, anhyd., cns . . . oz. 9.95 -10.00
Morphine hydrobromide, cns . . . oz. 9.90 - 9.95
Morphine hydrochloride, NF, cns oz. 9.90 - 9.95
Morphine sulfate, USP, cns. . . . . oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E . lb. .55½- —
dms., l.c.l., dlvd. E, ... lb. .56¼- —
tanks, dlvd. E. . . . . lb. .52¾- —
Muriatic acid (see Hydrochloric acid).
Musk, syn., ambrette, fib. dms., 100-lb. lots . lb. 4.45 - 5.15
cns., 25-lb. lots . . . . . lb. 5.05 - 5.65
Ketone, fib. dms., 100-lb. lots lb. 4.70 - 5.30
cns., 25-lb. lots . . . . . lb. 5.35 - —
Xylol, fib. dms., 100-lb. lots . lb. 1.40 - —
cns., 25-lb. lots . . . . . lb. 1.45 - —
Mustard seed, Danish, yellow, bags. lb. .10¾- —
Montana, yellow, bgs. . . . . lb. .10½- —
Montana, No. 1, Oriental, bgs . lb. .08½- —
Mustard oil, syn. bots. . . . . lb. 1.60 - 1.85
Mustard seed oil, nat., dms. . . . lb. 9.50 - 9.85
Myristic acid, dms. . . . . lb. .24 - .26¼
tanks . . . . . lb. .23½- —
Myrobalans, Bombay . . . . . ton. 44.00 -45.00
J-1, genuine, bgs., ex dock . ton. 50.00 -51.00
J-1, crushed, bgs., ex dock . ton. 65.00 -66.00
Myrobalans, extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty . lb. .10½- .10¾
Myrrh gum, cs. . . . . lb. .50 - .55

N

Naphtha, high solvency (see Solvent naphtha, petroleum).
Naphtha, petroleum, cleaner's, 140°F, flash, tanks, east coast, New Jersey and New York . gal. .18 - —
tanks, group 3 . . . . . gal. .15 - .15¼
tanks, Houston, Tex. . . . . gal. .19 - —
tankwagon, Newark . . . . . gal. .19 - —
New York . . . . . gal. .19 - —
Philadelphia . . . . . gal. .19½- —
Naphtha, VM&P, petroleum, 225°-300°F., b.r., tanks, west coast, Los Angeles . . . gal. .174 - —
Portland, Ore. . . . . gal. .18 - —
San Francisco . . . . . gal. .179 - —
Seattle, Wash. . . . . gal. .18 - —
east coast, New Jersey and New York . gal. .19 - —
group 3 . . . . . gal. .13875 - —
Naphtha, VM&P, petroleum, tankwagon, Boston . gal. .21½- —
Chicago . . . . . gal. .299 - —
Cleveland . . . . . gal. .24½- —
Houston, Tex. . . . . gal. .15½- —
Newark . . . . . gal. .20½- —
New York . . . . . gal. .20½- —
Philadelphia . . . . . gal. .21½- —
Pittsburgh . . . . . gal. .20 - —
Naphthalene, crude, dom., 74°, tanks, frt. equald lb. .06¼- —
78°, bgs., c.l., same basis . lb. .07½- .08
bgs., l.c.l., same basis . . . lb. .07¾- .08¼
tanks, same basis . . . . . lb. .07 - —
Imp., 78°, bgs., large lots . . lb. .04 - —
Refd., indust., chipped, crushed, bgs., frt. equald lb. .12½- —
tanks, same basis . . . . . lb. .11¾- —
Naphthalene, refd., indust., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .15½- —
cs., 50 lbs., c.l., same basis. lb. .15¾- —
1-lb. pkgs., c.l., same basis. lb. .18½- —
a-Naphthol, bbls., frt. alld . . . lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works lb. .33 - —
bbls., l.c.l., works . . . . . lb. .35 - —
Naphthol, ITR, red toner, bbls., works lb. 5.50 - —
1-Naphthol-3,6-disulfonic 8-amino acid (see H acid).

1-Naphthol-4 sulfonic acid (see Nevile and Winther's acid).
1-Naphthol-5-sulfonic acid (see L acid).
1-Naphthol-3-sulfonic 8-amino acid (see S acid).
2-Naphthol-6,8-disulfonic acid (see Gamma acid).
Naphthol sulfonic mixed acid (see Cleve's acid).
a-Naphthylamine, bbls., frt. alld ..lb. .50 - —
b-Naphthylamine, tech., flake, bbls., works ..lb. 1.60 - —
1-Naphthylamine-5-sulfonic acid (see Laurent's acid).
2-Naphthylamine-4,8-disulfonic acid (see Cassella acid).
2-Naphthylamine-1-sulfonic acid (see Tobias acid).
2-Naphthylamine-6-sulfonic acid (see Broenner's acid).
2-Naphthylamine-7-sulfonic acid (see F acid).
Naringin, fib. dms .....lb. 6.50 - —
Neatsfoot oil, 15° cold test, dms..lb. .30 - .33
20° cold test, dms.....lb. .29 - .32
30° cold test, dms.....lb. .28 - .31
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin sulfate, fib. dms., 1-kilo basis activity..gram. .35 - —
fib. dms., 100-999-gram lots, basis activity..gram. .40 - —
Neroli oil, NF, French, bots. ....lb.550.00 -575.00
Tunisian, bots. .....lb.400.00 - —
Nerolin, cns. .....lb. 2.55 - 2.85
Nevile and Winther's acid, dms., frt. alld..lb. 1.30 - —
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd .....lb. .68½- .75½
Nickel carbonate, bbls., dlvd....lb. .78¼- .85¼
Nickel chloride, bbls., dlvd ....lb. .37 - .45
Nickel formate, bbls., ton lots, frt. alld..lb. .72 - .73
Nickel metal electro cathodes, cs., works..lb. .74 - —
Nickel nitrate, bbls., works.....lb. .32½- .33½
Nickel oxide, black, bbls.....lb. .85 - —
Green, bbls. .....lb. .84 - —
Nickel sulfate, bgs., c.l., dlvd....lb. .28 - —
bgs., l.c.l., dlvd.....lb. .28½- .34
Nicotinamide, USP, dms., frt. adjusted..kilo. 9.50 - 9.80
Nicotinamide hydrochloride, dms., frt. adjusted..kilo. 9.50 - 9.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld lb. 1.20 - —
40%, manufacturers, 500-lb. dms., frt. alld lb. 1.05 - —
Nicotinic acid, USP, dms., dlvd..kilo. 8.00 - 8.30
Nicotinic amide, USP (see Nicotinamide).
Niger seed, bgs .....lb. .10¼- —
Nikethamide, cbys. .....lb. 5.00 - —
Nitric acid, 36° Be., cbys., c.l., works E..100 lbs. 5.75 - —
cbys., l.c.l., works E ...100 lbs. 6.05 - 6.85
38° Be., cbys., c.l., works, E. 100 lbs. 6.25 - —
cbys., l.c.l., works E....100 lbs. 6.55 - 7.35
40° Be., cbys., c.l., works, E. cbys., l.c.l., works, E. ..100 lbs. 7.05 - 7.85
100 lbs. 6.75 - —
42° Be., cbys., c.l., works, E. 100 lbs. 7.25 - —
cbys., l.c.l., works, E ...100 lbs. 7.55 - 8.35
Nitric acid, 58.5 to 68% HNO_3, tanks, works, 100% basis..100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis .100 lbs. 4.90 - —
CP, NF, consumer, cbys. extra, c.l., works lb. .18½- —
cbys. extra, l.c.l., works. lb. .20 - —
5-pint bots., extra, cs., c.l., same basis lb. .22½- —
5-pint bots., extra, cs., l.c.l., same basis. lb. .24 - .25
m-Nitroaniline, cryst., dms., frt. alld lb. 1.15 - —
Paste, dms., frt. alld., 100% basis. lb. 1.10 - —
o-Nitroaniline, flaked, dms., t.l., frt. alld. lb. .49 - —
dms., l.t.l., frt. alld ..... lb. .51 - —
o-Nitroaniline orange toner, kegs, lb. 1.35 - —
p-Nitroaniline, dms., frt. alld....lb. .445 - —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .13 - —
dms., l.c.l., frt. alld.....lb. .14 - —
tanks, frt. alld .....lb. .11 - —
p-Nitrobenzoic acid, dms., c.l., works. lb. .66 - —
dms., l.c.l., works .....lb. .67 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175 seconds, bbls., c.l., works. lb. .37½- —
bbls., l.c.l., same basis..... lb. .38½- .40½
Nitrocellulose, ester-soluble, 18-20 cps., bbls., c.l., same basis. lb. .39½- —
bbls., l.c.l., same basis ..lb. .40½- .42½
Ester-soluble, 250-400, 600-1,000 seconds, bbls., l.c.l., same basis. lb. .43 - .46
Spirit soluble, 30-35 cps., ¼, ½ seconds, bbls., c.l., same basis. lb. .43 - —
bbls., l.c.l., same basis... lb. .44 - .46
5-6 cps., 40-60 seconds, bbls., c.l., same basis. lb. .42 - —
bbls., l.c.l., same basis.....lb. .43 - .45
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l., frt. alld..lb. .15 - —
dms., l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13 - —
p-Nitrochlorobenzene, dms. .....lb. .26 - .27
Nitroethane, dms., c.l., dlvd. E..lb. .24 - —
dms., l.c.l., dlvd. E.....lb. .24¼- —
tanks, dlvd. E.....lb. .22½- —
Nitroethane prices West of Rockies are 1c. higher.
Nitrogen solutions, tanks, frt. equald..unit. 1.10 - —
Nitrogenous process tankage, bulk, works..unit-ton. 3.50 - 4.00
Nitrogenous sewage sludge, bulk, f.o.b. Chicago, works unit-ton. 2.60 - —
Nitromethane, dms., c.l., dlvd E..lb. .24 - —
dms., l.c.l., dlvd. E.....lb. .24¼- —
tanks, dlvd. E .....lb. .22½- —
Nitromethane prices West of Rockies are 1c. higher.
o-Nitronaphthalene, bbls., frt. alld. lb. .31 - —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., c.l., frt. alld. lb. .51 - —
dms., l.c.l., frt. alld ..... lb. .53 - —
1-Nitropropane, dms., c.l., frt. alld. E. of Rockies..lb. .22½- —
dms., l.c.l., same basis.....lb. .23¼- —
tanks, same basis.....lb. .21 - —
2-Nitropropane, dms., c.l., frt. alld. E. of Rockies..lb. .18½- —
dms., l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .16 - —
Nitropropane prices West of Rockies are 1c. per lb. higher.
o-Nitrotoluene, dms., c.l., frt. alld. lb. .13 - —
dms., l.c.l., frt. alld.....lb. .14 - —
tanks, frt. alld.....lb. .11 - —
p-Nitrotoluene, tech., flake or solid, dms., l.c.l., works..lb. .30 - —
m-Nitro-p-toluidine, dms. .....lb. 1.43 - —
Nonylphenol, dms., c.l., frt. alld. lb. .22 - —
dms., l.c.l., frt. alld.....lb. .23 - —
tanks, frt. alld.....lb. .19½- —
Nonylphenol prices on shipments to Western States are 2c. higher.
Nutgalls, Aleppo, bgs. .....lb. .35 - .38
Chinese, bgs. .....lb. No prices.
Nutmegs, East Indian, bgs.....lb. 2.20 - —
West Indian, bgs .....lb. 1.90 - —
Nutmeg oil, USP, dist., East Indian, cns. .lb.11.65 -15.75
West Indian, cns. .....lb.11.65 -15.75
Nux vomica, bls.....lb. .12 - —
Powd., bbls., bxs.....lb. .18 - —

o

Ocher (see Iron oxide yellow, nat.).
Ocotea cymbarum oil, dms .....lb. .45 - .93
Octane, indust., tanks, Bayonne, N.J. gal. .20 - —
Borger, Tex. ..... gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd., Zone 1..lb. .37 - —
dms., l.c.l., dlvd, Zone 1 ...lb. .39 - —
tanks, dlvd., Zone 1 .....lb. .34½- —
Octyl alcohol, perfumers' grade, bots..lb. 1.60 - 3.25
Octyl alcohol, tech, (see 1-Octanol, tech).
Octyl phenol, bgs., c.l., works..lb. .24 - —
bgs., l.c.l., works.....lb. .24½- —
tanks, works .....lb. .23 - —
Octyl phenol in dms., 11c. higher.

Oils

Oil quotations are listed individually. For example, prices on Oil, coconut, may be found in the C's under Coconut oil.

Oiticica oil, liq., dms..... lb. .18 - .18½
tanks ..... lb. .16½- —
Oleic acid, dbl.-dist. (white), dms. lb. .17¾- .20¼
tanks ..... lb. .15¼- —
Single-dist., dms. ..... lb. .16½- .19
tanks ..... lb. .14 - —
Oleo oil, extra, dms. ..... lb. .17¾- .18
Oleostearine, dms. ..... lb. .13½- .14
Oleum (see Sulfuric acid, fuming).
Olibanum gum, siftings, cs ..... lb. .20 Nom.
Tears, cs. ..... lb. .22 - .30
Olibanum oil, bots. ..... lb. 5.00 - 7.65
Extra fine, bots..... lb. 8.00 - 9.50
Olive oil, edible, dms., spot, duty-paid gal. 2.50 - 2.60
Olivine, crude, works.....ton.12.00 - —
20 mesh, works.....ton.15.00 - —
100 mesh, works.....ton.20.00 - —
Opium, USP, cns.....oz.19.20 -19.43
gran., cns. .....oz.21.65 -21.90
powd., cns. .....oz.21.65 -21.90
Orange oil, expressed, USP, Brazilian, cns., dms..lb. No stocks.
California, cns., dms.....lb. 2.25 - 2.35
Florida, cns., dms. .....lb. 1.85 - 2.30
Messina, cns. ..... lb. 3.85 - 3.85
West Indian, cns., dms... lb. 2.50 - 3.85
Sweet, dist., cns., dms.....lb. .90 - —
Orange peel, bitter, Haitian, bls..lb. .14 - .16
Sweet .....lb. .30 - .35

Orange Pigments

Orange pigment quotations are listed individually. For example, prices on Orange, chrome, may be found in the C's under Chrome orange.

Origanum oil, Spanish, cns.....lb. 1.80 - 2.30
Orris root, Florentine, bls. .....lb. .55 - —
powd., bbls., bxs. .....lb. .68 - —
Verona, bls. .....lb. .35 - .40
powd., bbls., bxs. .....lb. .44 - —
Orthoanisidine (see o-Anisidine).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzoic acid, (see o-Chlorobenzoic acid).

Because it comes only from California oranges, richer in flavor strength, more intense in aromatic constituents. It is made and guaranteed by the Sunkist Growers, whose experience and skills in citrus-product manufacture are unmatched.

You insure your reputation on the flavor of your product. You safeguard it by using only Exchange Brand Orange Oil, U.S.P. You can depend on it to turn out a superior product—batch after batch, year after year.

Ask your distributor for Exchange Brand Orange Oil—in the sealed container. It adds so little to the cost of your finished goods that you cannot afford to pay less.

EXCHANGE BRAND
ORANGE OIL, U.S.P.
Exchange
CALIFORNIA COLD PRESSED

Sunkist Growers PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA
Distributed in the U.S. and Canada by
DODGE & OLCOTT, INC.
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FRITZSCHE BROTHERS, INC.
76 Ninth Ave., New York 11, N.Y.
UNGERER & COMPANY, INC.
161 Avenue of the Americas, New York 13, N.Y.
Inquiries from countries other than the U.S. and Canada should be directed to the Sunkist Growers, Products Department.

Orthochloroparanitroaniline—Phenothiazine Drench

Orthochloroparanitroaniline (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthocresotinic acid (see 2,3-Creosotic acid).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniline (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitroparachlorophenol (see 2-Nitro-4-Chlorophenol)
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidine (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol)
Orthotolidine (see o-Tolidine base).
Orthotoluidine (see o-Toluidine)
Osage orange, cryst., No 1, bbls. l.c.l. lb. .40 - —
Extract, liq., No. 1, bbls., l.c.l., lb. .19 - —
Ouabain, USP, bots ..... gram 3.00 4.00
Ouricury wax, crude, bgs..... lb. .79 Nom.
Refd., pure, bgs ..... lb. .90 Nom.
Oxalic acid, bbls. c.l., works .. lb. .18½- —
bbls., 10,000-lb lots, works .. lb. .18¾- —
bbls., smaller lots, works lb. .19¾- —
b-Oxynaphthoic acid, fib. dms., 250 lbs or more, frt alld lb. 1.14 1.17
Oxyquinolin sulfate cns 100-lb lots, works lb 4.75 5.00
cns. smaller lots, works ..... lb. 4.92 5.17

P

Palm oil, clarif., dms.....lb. .14 - .15
tanks .....lb. .11½- —
Palm oil acid, dist., dms. .....lb. .15¾- .19¼
tanks ..... lb .13¾- 14¼
Palmarosa oil, cns.....lb. 3.50 - 6.00
Papain, purified .....lb. 8.50 -12.00
Papaverine hydrochloride, nat. or syn., USP cns., 25-oz. to 100-oz. lots oz. 5.00 - —
cns., smaller lots oz. 5.05 - 5.20
Papaverine sulfate, nat. or syn., USP, cns oz 7.10 - 7.35
Paprika, Bulgarian, bgs.....lb. .28 - —
Hungarian, bgs. .....lb. .32 - —
Spanish, bgs. .....lb. .37 - .47
Yugoslavian, bgs. .....lb. .34 - —
Para-aminobenzoic acid (see p-Aminobenzoic acid)
Para-aminosalicylic acid (see p-Aminosalicylic acid)
Parachlorobenzoic acid (see p-Chlorobenzoic acid)
Paramethylphenylcinchonic acid (see Neocinchophen)
Paranitrobenzoic acid see p-Nitrobenzoic acid).
Paratoluidinemetasulfonic acid (see p-Toluidine m-sulfonic acid)
Para-aminophenol (see p-Aminophenol).
Parachloro-orthonitroaniline (see 4-Chloro-2 nitroaniline)
Para-anisidin (see o-Ansidine).
Parachloraniline (see p-Chloraniline).
Parachlorobenzaldehyde see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Para toner, red, bbls. .....lb. 1.21 - —
Chlorinated, kgs. .....lb. 1.35 - —
Paraffin, crude, scale white, 123°-127°F. ASTM, tanks, refy. lb. .0710- —
fully refd., 122°-124°F, ASTM, tanks, refy lb. .0815- —
125°-127° F. ASTM, tanks, refy. lb. .0815- —
130°-132°F. ASTM tanks, refy. lb. .0815- —
132°-134° F., ASTM, tanks, refy. lb. .0815- —
135°-137°F. ASTM, tanks, refy. lb. .0815- —
AMP temperatures are an arbitrary 3°F higher than ASTM.
Paraffin oil, pale, 100-110 vis. at 100°F., tanks, east coast refy gal. .14 - —
Paraffin wax (see Paraffin)
Paraformaldehyde 91% flake, bgs., c.l., frt. alld. lb. .0955- —
bgs., l.c.l., frt. alld.....lb. .1155- .1255
91% powd., bgs., c.l. ex whse lb. .167 - —
bgs. l.c.l., ex whse .....lb. .182 - —
USP X, fib dms., c.l., ... lb. .19 - —
fib. dms., 1,000-lb lots.... lb. .20 - —
fib. dms., smaller lots lb. .21½- —
Paraldehyde, tech., 98%, 55-gal. dms., t.l., dlvd lb. .14 - —
55-gal dms., l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .11½- —
Paranitroaniline (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrotoluene (see p-Nitrotoluene).
Paranitrophenol (see p-Nitrophenol).
Paraphenetidine (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol see p-Phenylphenol)
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, ethyl, dms. c.l., frt. alld. lb. 1.36 - —
dms., l.c.l., frt. alld. ..... lb. 1.41 - —
Parathion prices 2c. per lb. higher in West
Paratoluenesulfonamide (see p-Toluenesulfonamide).
Paris green, dealers, 100 lb. dms., frt. alld lb. .45 - —
Passion flower herb, bls. ..... lb. No stocks.
Patchouli oil, dms. ..... lb. 4.30 - 5.75
Peach kernel oil USP (see Apricot kernel oil).
Peacock blue, fugitive, 100% color strength, 250-lb., bbls., dlvd. E. of Rockies...lb. 1.00 - —
Peacock blue price 1c. higher W. of Rockies
Peanut meal, 45%, old process, bgs., mills...ton.60.00 -62.00
Peanut oil, crude, tanks, f.o.b. mills. lb. .15¼- —
Refd., dms. .....lb. .20¾- .21
tanks .....lb. .18¾- —
Pectin, dom., NF, citrus, powd., bbls. lb 2.05 2.06
Dom., tech powd., 150 jelly grade. lb. 1.28 - —
Imp., Danish ex whse lb 1.28 - —
Penicillin potassium, cryst., bulk, 1,000,000 units. .0675- .0700
Penicillin, procaine, bulk 1,000,000 units. .0675 -.0700
Penicillin, sodium, bulk 1,000,000 units. .0775- 0800
Pennyroyal oil, USP, imported cns. lb. 2.30 - 3.10
Pentachlorophenol, bgs., c.l., t.l., works, frt. equald lb. .22 —
bgs., l.c.l., same basis ..... lb. 23½- .30
Pentachlorophenol in dms. 1c. higher
Pentaerythritol, tech., bgs., c.l., dlvd lb. .29½- —
bgs., l.c.l., dlvd. ..... lb. .30½- —
Pentaerythritol, di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, indust., tanks, Tex. refy. gal. .14 - —
Pentobarbital, dms., 100 lbs or more lb. 6.00 - —
Pepper, Malabar black, spot, bgs. lb. .27 - —
Lampong, black, bgs.....lb. .27 - —
Sarawak, black, bgs.....lb. .26¾- —
Red, Funtuas, spot, bgs. ....lb. .33 - —
Gondars, bgs. .....lb. .30 - —
Japanese, hontaka, bgs. ....lb. .30 - —
Santaka, bgs. .....lb. .27 - —
Sudanese, bgs. .....lb. .34 - —
Zanzibar, bgs. .....lb. .43 - —
White, Muntok, bgs.....lb. .39 - —
Peppermint leaves, dom., USP, bls., dms lb. 70 - .75
Imp USP bls lb 85 —
Peppermint oil, nat., dms.....lb. 4.25 - 5.60
Redist., USP, dms. .....lb. 4.60 - 5.95
Perchloroethylene, dms., c.l., or t.l., dlvd lb. .13½- —
dms., l.c.l., dlvd ..... lb. .15¼- —
tanks, dlvd. ..... lb. .11¾- —
tanktruck, 1,000 gal. min., dlvd. lb. .12¼- —
Peri acid, dry, bbls. frt. alld.. lb. 1.35 - —
Paste, bbls., frt. alld..... lb. 1.30 - —
Peru balsam, dms. ..... lb. 1.30 - 1.95
Persic oil, USP (see Apricot kernel oil).
Petitgrain oil, South American, cns., dms lb. 2.35 - 2.95
Petrolatum, cream, dms., c.l., refy. lb. .07¾- —
dms., l.c.l., dlvd ..... lb. .10⅛- —
tanks, refy ..... lb. .05½- —
Extra amber, dms., c.l., refy .. lb. .06¾- —
dms., l.c.l., dlvd..... lb. .09⅛- —
tanks, refy ..... lb. .04½- —
Lily white, dms., c.l., refy..... lb. .08½- —
dms., l.c.l., dlvd..... lb. .10½- —
tanks, refy ..... lb. .05⅛- —
USP, snow white, dms., c.l., refy. lb. .08⅛- —
dms., l.c.l., dlvd..... lb. .11 - —
tanks, refy ..... lb. .06⅛- —
soft yellow, dms., c.l., refy.. lb. .06¾- —
dms., l.c.l., dlvd..... lb. .09⅛- —
tanks, refy ..... lb. .04½- —
Petroleum pitch (see Asphalt, petroleum).

Petroleum Products

Petroleum product quotations are listed individually. For example, prices on Petroleum, mineral spirits, may be found in the M's under Mineral spirits, petroleum.

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, non-ret dms., c.l., works lb. .16½- .18¾
non-ret. dms., l.c.l., works. lb. .17½- .19
tanks, works ..... lb. .14½- .17
50-55%, sulfonic content, non-ret. dms., c.l., works lb. .16 - —
non-ret. dms., l.c.l., works. lb. .17 - —
tanks, works ..... lb. .13 - —
o-Phenetidine, dms. c.l., frt. alld. lb. .91 - —
dms., l.c.l., same basis..... lb. .93 - —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.05 - —
dms., same basis..... lb. 1.08 - —
Phenobarbitol, USP, dms., 100-lb. lots lb. 3.25 - —
Phenobarbital-Sodium (See sodium phenobarbital).
Phenol, 90-92% (cresol 8-10%), non-ret. dms., frt. alld. E. of Rockies lb. .18 - —
non-ret. dms., l.c.l., same basis. lb. .19 - —
tanks, same basis ..... lb. .16 - —
82-84% (cresol 16-18%), non-ret, dms., c.l., same basis. lb. .17½- —
non-ret. dms., l.c.l., same basis. lb. .18½- —
tanks, same basis ..... lb. .15½- —
39°C. or above, tar distilled non-ret. dms., c.l., same basis. lb. .19½- —
non-ret. dms., l.c.l., same basis. lb. .20½- —
tanks, same basis ..... lb. .17½- —
Phenol, USP, syn., dms., c.l., t.l., frt. alld. lb. .20½- —
dms., same basis..... lb. .21¼- —
tanks, same basis..... lb. .18¼- —
Phenolphthalein, USP or yellow, fib. dms., 2,000-lb. lots lb. 1.30 - 1.32
fib. dms., smaller lots..... lb. 1.32 - 1.37
Phenothiazine, drench fib. dms., t.l., dlvd lb. .44 - —
fib. dms., l.c.l., same basis. lb. .47 - —
NF, fib. dms., t.l., same basis. lb. .42 - —
fib. dms., l.c.l., same basis.... lb. .49 - —

METHYL ETHYL KETONE

Trays, tables, desks, lamps and many other pieces of fine furniture are being finished with acrylic lacquer to assure a durable and beautiful surface coating. One of the important solvents in this new lacquer is Methyl Ethyl Ketone, supplied by the Enjay Company.

Methyl Ethyl Ketone also plays an important part in automotive finishes. Car bodies finished with acrylic lacquers are almost chip-proof. For *your* solvent needs—specify Enjay M.E.K.*

*Methyl Ethyl Ketone

ENJAY

Pioneer in Petrochemicals

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Other Offices: Akron • Boston • Charlotte • Chicago • Detroit • Los Angeles • New Orleans • Tulsa

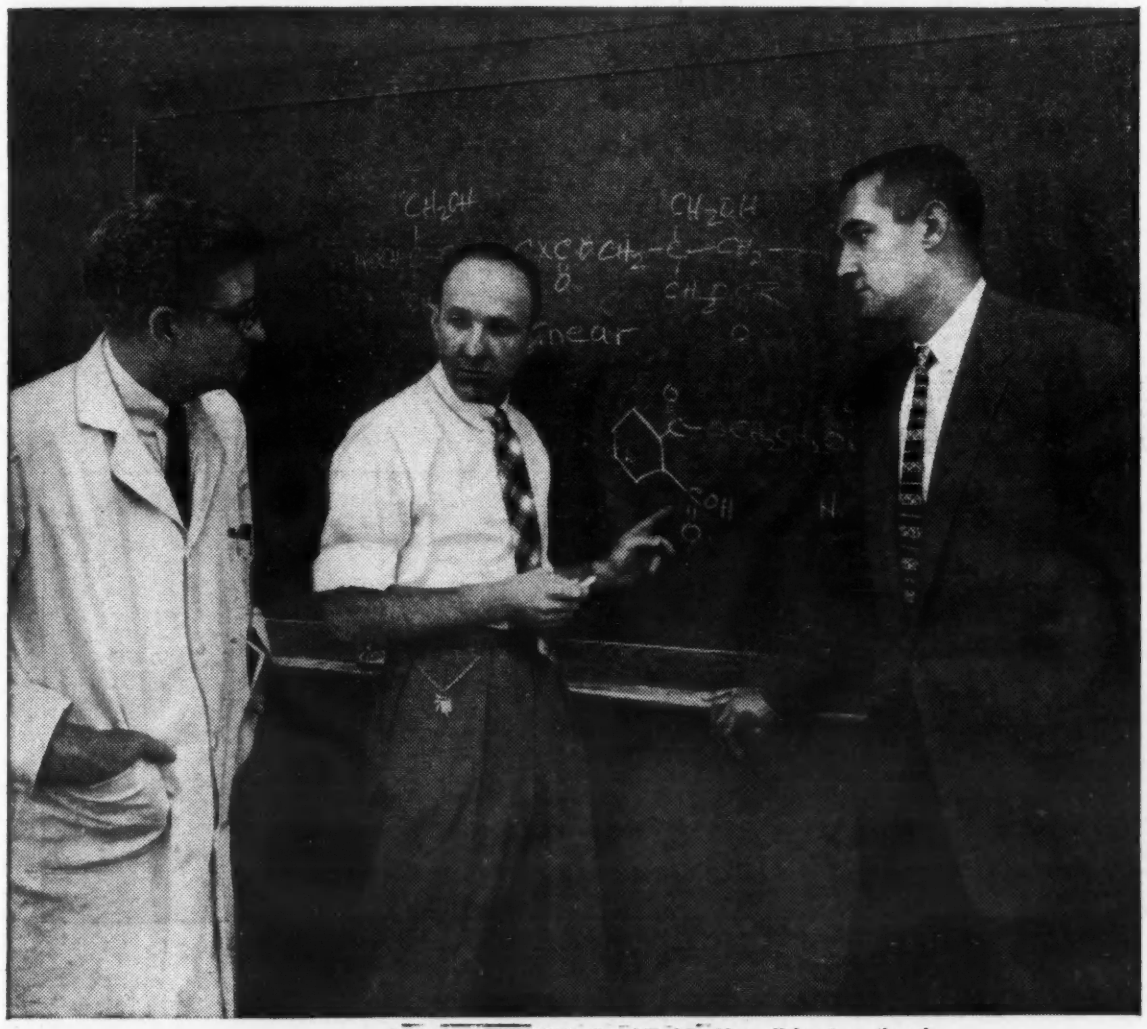
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	—
Phenyl salicylate (see Salol)			
Phenylacetaldehyde, soln., 50%, bots	lb.	2.95	—
100%, bots	lb	4.00	4.65
Phenylacetic acid, pure, cryst., ens.	lb.	1.25	1.75
dl-Phenylalanine, dms., works	lb.	27.00	37.50
l-Phenyl-3-carbethoxy pyrazolone-5, fib dms., 200-lb. lots, dlvd. E.	lb.	3.45	—
fib. dms., smaller lots, dlvd. E	lb.	3.80	—
N-Phenyldiethanolamine, dms., c.l., dlvd E	lb.	.41	—
ums., t.c.l., dlvd. E	lb.	.42	—
tanks, dlvd. E	lb.	.38½	—
m Phenylenediamine dms., frt. alld.	lb.	1.10	—
o-Phenylenediamine, coml., 100 to 1,000 lbs., fib dms., works	lb.	1.70	1.80
p-Phenylenediamine, refd., dms., works	lb.	1.42	—
Tech., dms., works	lb.	1.40	—
Phenylethanolamine, dms., c.l., works	lb.	.75½	—
dms. t.c.l., same basis	lb.	.76½	—
Phenylethyl acetate, bots.	lb.	1.30	1.60
b-Phenylethylamine, dms., 1,000-lb. lb lots works	lb.	1.10	—
dms., smaller lots works	lb.	1.15	1.40
2-Phenylethyl alcohol, extra, dms	lb.	1.14	1.50
Standard, dms	lb.	1.10	1.60
Phenylglyconic acid (see Mandelic acid)			
Phenylhydrazine, 97%, 450-lb. dms.	lb.	1.45	—
1-Phenyl-3-methyl pyrazolone-5, fib. dms. 250-lb. lots, dlvd. E	lb.	1.80	—
fib dms. smaller lots, dlvd E	lb	2.10	—
Phenylethylphenyl acetate, bots	lb.	4.00	4.25
o-Phenylphenol, dms., t.c.l. works.	lb.	.48	.50
p-Phenylphenol, bgs. c.l., works	lb.	.38½	—
bgs. t.c.l., works	lb.	.43	—
Philippine copal gum, pale, chips, bgs	lb.	.23¾	.26
nubs, bgs.	lb.	.33½	.37
seeds, bgs.	lb.	.20	Nom.
sorts, bgs.	lb.	.22¾	.25
Phloroglucinol, coml., fib. dms., works	lb	6.40	—
CP., bots., works	lb.	17.75	—
Tech., fib. dms., works	lb.	10.45	—
Phloxin red toner (see Eosin red toner)			
Phosgene, ret. cyls., works	lb.	.15½	—
Phosphate, defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports, New Orleans	ton.	48.00	—
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried unground, 66-68% b.p.l., bulk, c.l., mines.	long-ton.	5.11	—
68-70%, b.p.l., bulk, c.l., same basis	long-ton.	5.51	—
70-72% b.p.l., bulk, c.l. same basis	long-ton.	6.16	—
74-75%, b.p.l., c.l., bulk,	long-ton.	7.16	—
76-77% b.p.l., c.l., bulk, same basis	long-ton.	8.16	—
Above Florida prices are based on fuel oil at $2.57 per bbl. and labor at $1.47.			
Phosphoric acid, food grade, 75%, cbys., c.l., works, E., frt. equald	100 lbs.	7.00	—
cbys., t.c.l., same basis.	100 lbs.	7.25	7.75
tanks, t.w., works	100 lbs.	5.60	—
80%, cbys., c.l., frt. equald.			
cbys., t.c.l., works	100 lbs.	8.10	9.35
tanks, t.w., works	100 lbs.	6.00	—
NF, 85%, cbys., c.l., works	100 lbs.	8.50	—
cbys., t.c.l., works	100 lbs.	8.75	9.00
tanks, t.w., works	100 lbs.	6.65	—
Phosphorus, amorph., red, dms., t.l., works	lb.	.55	—
dms., smaller lots, works	lb.	.56	.57
white (yellow), solid dms., c.l., works, frt. equald	lb.	.20	.20½
dms., t.c.l., works, frt. equald	lb.	.21½	—
tanks, works, frt. equald	lb.	.19	—
Phosphorus oxychloride, dms., c.l., works	lb.	.14	—
dms., t.c.l., works	lb.	.15	—
tanks, works	lb.	.12½	—
Phosphorus pentasulfide, powd., dms., c.l., works	lb.	.13½	—
dms., t.c.l., works	lb.	.14½	.15½
solid, dms., c.l., works	lb.	.11½	—
dms., t.c.l., works	lb.	.12½	.13½
Phosphorus pentoxide, dms., c.l., works	lb.	.1395	.1450
dms. t.c.l. works	lb.	.1550	.1650
Phosphorus sesquisulfide, dms., cs., c.l., works	lb.	.38	—
dms., t.c.l. works	lb.	.39	.40
Phosphorus trichloride, dms., c.l., works	lb.	.14	—
dms., t.c.l., works	lb.	.15	—
tanks, works	lb.	.12½	—
Phthalic anhydride, bgs., c.l., works, frt. equald	lb.	.21	—
bgs., t.c.l., same basis	lb.	.22	—
tanks, same basis	lb.	.20½	—
Phthalimide, 97-98%, dms., frt. allowd	lb.	.65	—
Phthalocyanine blue, full strength, bbls., dlvd. E. of Rockies	lb.	3.45	—
Resinated, bbls. same basis	lb	3.00	—
Water dispersable, bbls., same basis	lb	1.69	—
Phthalocyanine blue prices 1c. higher W. of Rockies.			
Phthalocyanine green toner, bbls., works	lb.	3.95	—
Resinated bbls.	lb.	3.50	—
Water dispersable, bbls.	lb.	1.71	—
Phthalocyanine green prices 1c. higher W. of Rockies.			
Phthalylsulfacetamide, fib. dms., 1,000-lb. lots or more	lb.	5.00	—
NF, fib. dms.	lb.	5.20	—
a-Picoline, dms., c.l., works, frt. equald	lb.	.43	.43½
dms. t.c.l. works, frt. equald	lb.	.44	—
tanks, same basis	lb.	.415	.422
b,g-Picoline 5°C, dms., c.l., works.	lb.	.32½	—
dms. t.c.l. works	lb.	.33	—
g-Picoline, tanks, f.o.b., works	lb.	1.50	—
t.l., dms., same basis	lb.	1.60	—
Picric acid, NF bbls	lb.	.65	—
Tech. bbls	lb.	.44	—
Pigment green B, kgs.	lb.	1.45	—
Pilocarpine hydrochloride, USP. bots	oz.	4.75	5.25
Pilocarpine nitrate, USP, bots., vials.	oz.	4.65	4.75
Pimento, Jamaican, bgs	lb.	.65	—
Mexican, bgs.	lb.	.33	—
Pimento berry oil, NF, dms	lb.	3.75	9.25
Pimento leaf oil, cns.	lb.	1.90	2.60
Pine oil, dest.-dist., dms., t.c.l., works	lb.	.15	—
dms. t.c.l. ex whse New York.	lb.	.173	—
Steam-dist., dms., ex whse, New York	lb.	.185	—
dms., dlvd.	lb.	.188	—
Pineneedle oil, Siberian (see Abies Siberica oil).			
Pinetar oil, coml., dms., c.l., works.	lb.	.0561	—
dms., t.c.l., works	lb.	.0634	—
dms., c.l., ex whse., New York.	lb.	.0745	—
tanks, works	lb.	.048	—
Rectified, NF, dms., included, t.c.l., works, South	lb.	.40	—
dms., incl. t.c.l., ex whse., New York	lb.	.41½	—
Refd., dms., incl., t.c.l., works	lb.	.35	—
dms. incl., t.c.l., ex whse., New York	lb.	.36½	—
Pink root, bls.	lb	2.50	—
Piperazine, dry, dms., t.l., frt. alld.	lb.	1.95	—
dms., t.c.l., same basis	lb.	2.00	—
Piperazine citrate, 36%, dms., t.l., frt. allwd	lb.	1.07	—
dms., t.l., same basis	lb.	1.09	—
Piperazine hexahydrated, 44%, dms., frt. allwd	lb.	.88	—
dms., t.l., same basis	lb.	.90	—
Piperidine, dist., 98% min., dms., frt. equald	lb.	2.70	—
Piperonyl butoxide dms. dlvd. E.	lb	4.50	5.05

Pitches

Pitch quotations are listed individually. For example, prices on Pitch, soybean, may be found in the S's under Soybean pitch.

Plaster of Paris (see Gypsum).			
Platinum metal, works	oz.	56.00	65.00
Pleurisy root, bls	lb	45	50
Podophyllum resin NF dms	lb.	15.60	16.10
Poke root, bls.	lb.	.19	.22
Polymyxin, bulk, bots., 50 billion units or more	1,000,000 units.	.52	—
bulk, bots., 25-50 billion units.	1,000,000 units.	.54	—
bulk, bots., 1-25 billion units.	1,000,000 units.	.56	—
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works	lb.	.42	—
dms., 10,000-20,000-lb. lots, works	lb.	.44	—
dms., smaller lots, works	lb.	.47	.49
Polyoxyethylene sorbitan tristearate, dms. 20,000-lb lots works.	lb.	.42	—
dms., 10,000-20,000-lb. lots, works	lb.	.44	—
dms., smaller lots, works	lb.	.47	.49
Pontianak copal gum chips bgs	lb	.26	—
Nubs bgs	lb	.37	.40
Poppy seed, Argentine bgs	lb.	No stocks.	
Dutch, bgs.	lb.	.24	—
Danish, bgs.	lb.	No stocks.	
Polish, bgs.	lb.	.33	—
Turkish, bgs.	lb.	No stocks.	
Potash, caustic liq., 45% basis, dms., c.l. works	100 lbs	4.25	—
dms., t.c.l., same basis.	100 lbs	5.05	—
tanks same basis	100 lbs	3.70	—
Flake, 88-92%, dms., c.l. same basis	100 lbs.	9.15	—
dms., t.c.l. same basis.	100 lbs.	10.20	—
Solid, 88-92%, dms. c.l., works.	100 lbs	8.70	—
dms., t.c.l., works	100 lbs	9.75	—
Potassium acetate, NF dms	lbs	31	.36
Potassium bicarbonate, USP, gran.	dms lb	22	—
USP, powd., dms	lb	24	—
Potassium bichromate gran., bgs., c.l., t.l., works	lb	18	—
bgs., t.c.l., works	lb	18½	19¼
Potassium bichromate in dms ¾c higher			
Potassium bitartrate dom., NF, gran. or powd., dms. c.l	lb	40	—
dms. 5,000 lbs. 1 shipt	lb.	40½	—
dms. smaller lots	lb	41	43
Imp., NF, gran. or powd., kgs.	lb.	.33½	.37
Potassium bromate, dms 1,000-lb lots or more, works	lb	50	—
dms., smaller lots, works	lb	52	63
Potassium bromide, USP gran., bbls. kgs	lb	39	40
Potassium carbonate dom., NF, gran., bbls dms	lb	.20	—
Potassium carbonate, dom., tech., powd., bbls., dms	lb.	.21	.22
calcined, bgs. c.l., works.	100 lbs.	8.50	—
bgs., t.c.l., same basis.	100 lbs.	9.55	—
Potassium carbonate, hydrated, 83-85%, bgs. c.l., works.	100 lbs.	7.10	—
bgs., t.c.l., works	100 lbs.	8.15	—
Potassium chlorate cryst., dms c.l., works	lb.	12¼	—
dms. t.c.l. works	lb	13½	14½
Powd., dms., c.l., works	lb.	12¾	—
dms. t.c.l. works	lb.	14	15
	works lb	12¼	—

From Heyden Newport



George Roberts, Bill Kraft and Earl Barkley collaborate on the solution of a pentaerythritol application problem reported from the field.

Results:

THROUGH TECHNICAL SERVICE APPLIED TO PENTAERYTHRITOLS

Call upon the resources of Heyden Newport's experienced and technically trained manpower—serving a broad range of industries. One complete unit of this Technical Service is directed toward helping solve your problems in the paint, varnish and resin industries. Why not make these men part of your team in product development. Just phone the branch office nearest you, or write Heyden Newport Chemical Corporation, 342 Madison Avenue, New York 17, New York.

HEYDEN NEWPORT

Where tradition meets tomorrow in chemical progress

Potassium Chlorate—Quince Seed

Potassium chlorate, NF, cryst., works, dms., 2,000 lbs. or more, works lb. .16¾ - —
Gran., 25-lb metal dms lb. .36 - —
Powd. dms. 2,000 lbs. or more, works lb. .17¼ - —
Potassium chloride, agricultural (see Potassium muriate)
Indust., 99.9% KCL, bulk, c.l., works ton.29.00 - —
bgs. c.l., works ton.33.50 - —
99.3% KCL, bulk, c.l., works.ton.27.00 - —
bgs. c.l., works ton.31.50 - —
USP, cryst., dms. lb. .20 - .22
gran., dms. lb. .21 - .23
powd. dms lb. .24 - .26
Potassium chromate, tech., bgs lb. .50 - .50½
Potassium citrate, USP gran. dms. lb. .43 - —
Powd., dms. lb. .40½ - .41½
Potassium cyanide, dms. 20,000-lb. lots or more, works lb. .42¼ - —
dms., 2,000-19,999-lb lots, works.lb. .43 - —
dms., smaller lots, works lb. .44 - .44½
Potassium dichromate (see Potassium bichromate).
Potassium ferricyanide, dms., ton lots, works lb. .50 - —
dms. smaller lots, works lb. .65 - —
Potassium ferrocyanide, dms., ton lots lb. .24½ - —
dms., smaller lots lb. .29 - —
Potassium fluoborate, fib. dms., c.l., works lb. .30 - —
fib. dms., l.c.l., works lb. .31 - —
Potassium fluoride, dms., works lb. .37 - .38
Potassium gluconate, dms. lb. 1.67 - —
Potassium guaiacolsulfonate, NF, dms lb. 2.10 - 2.30
Potassium hydroxide, tech. (see Potash, caustic).
Potassium hydroxide, USP, pellets, 100-lb dms. 1 to 100-dm. lots lb. .33½ - .38
Potassium hypophosphite, NF, fib. dms., 1,000-lb lots lb 1.38 - —
Potassium iodide, 250-lb. dm. lb. 1.43 - —
Potassium manure salt, 22% K_2O, bulk, c.l., works unit-ton. .17 - .1765
Potassium metabisulfite, gran., dms. lb. .16 - —
Powd., dms. lb. .27 - —
Potassium muriate, standard, bulk, c.l., works unit-ton. .31 - .33
bagged, 60% minimum K_2O, same basis ton.23.50 -24.70
Granular, bulk, c.l., works unit-ton. .31½ - .33½
bagged, 60% minimum K_2O, same basis ton.23.80 -25.00
Inside prices apply to material contracted for prior to July 1, 1958.
Outside prices apply to material contracted for after that date but also for delivery during the current month.
Potassium nitrate, NF, cryst., bbls., 20-ton lots 100 lbs.16.50 - —
bbls., smaller lots 100 lbs.17.50 -18.00
Potassium nitrate, NF, gran., bgs., 20-ton lots 100 lbs. 9.25 - —
bgs., smaller lots 100 lbs.10.50 -11.00
NF, powd., bgs., 20-ton lots 100 lbs.10.25 - —
bgs., smaller lots 100 lbs.11.50 - 12.00
Potassium oxalate, neutral, tech., fine gran., bbls., dms. lb. .32 - .34
Potassium pentaborate, gran., dms., c.l., works ton.219.50 - —
dms., ton lots, ex whse ton.311.00 - —
dms., smaller lots, ex whse ton.316.00 - —
Powdered potassium pentaborate $10 per ton higher.
Potassium perchlorate, dms., c.l., works lb. .18½ - —
dms., l.c.l., works lb. .19 - .20
Potassium permanganate, coml. kgs., works lb. .26 - .29
USP, dms., works lb. .29¼ - .31
Potassium persulfate, dms., c.l., works lb. .17½ - —
dms., l.c.l., works lb. .18 - .21
Potassium pyrophosphate, tetrabasic, dms., works lb. .15½ - .18½
Potassium prussiate red (see Potassium ferrocyanide).
Potassium prussiate yellow (see Potassium ferro-cyanide).
Potassium silicate, electrical grade, 30° Be, 1:2.0, dms., c.l., works 100 lbs. 6.50 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works, 100 lbs. 5.95 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 6.70 - —
tanks, works 100 lbs. 5.60 - —
Potassium silicate, glass grade, bgs., c.l., works 100 lbs.17.30 -18.15
bgs., l.c.l. works 100 lbs.17.80 —
Soln., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 4.95 - —
dms., l.c.l., 5 dms. or more works 100 lbs. 5.70 - —
tanks, works 100 lbs. 4.60 - —
Potassium silicofluoride, bgs., works lb. .09½ - .10
Potassium silicofluoride in drums, 0.4c. per lb. higher.
Potassium stannate, dms., frt alld. E. lb. .737 - .810
Potassium sulfate, agricultural, bulk, c.l., works unit-ton. .59½ - .61½
Inside price applies to tonnage contracted for prior to July 1, 1958.
Outside price applies to tonnage contrated for after that date but also for delivery during the current month.
Potassium sulfocyanate, NF, cryst. (see Potassium thiocyanate)
Potassium thiocyanate, NF cryst., dms., works lb. .96 - .98
Tech., dms., works lb. .77 - .79
Potassium titanate, ctns., c.l., works. lb. .16¼ - —
ctns., 5-ton lots, works lb. .16½ - —
ctns., 1-ton lot or less, works lb. .16¾ - —
Potassium-magnesium sulfate, basis 40% K_2SO_4 and 18% MgO, bulk, works, base price.ton.13.45 - —
bulk, works, July forward ton.14.00 - —
Potassium-sodium tartrate, NF gran. or powd. dms., c.l lb. .42½ - —
dms., 5,000-lb. lots lb. .43 - —
dms., smaller lots lb. .43½ - .49
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
fib. dms., l.c.l., works lb. .52½ - .55
Potato starch (see Starch, potato)
Pregnenolone, bots. gram. No prices
Pregnenolone acetate, bots. gram. No Prices
Procaine hydrochloride, USP, dms., 1,000-lb lots, frt. alld lb. 2.83 —
dms. 100-500 lb lots lb. 2.95 3.15
Progesterone, USP, bots. gram. No prices.
Progesterone acetate, bots. gram. No prices.
Propane, indust., tanks, group 3, gal. .08 —
tanks, Baton Rouge gal. .05375- —
tanks, New York harbor gal. .1005- —
(¼c. discount offered).
Propenyl guaethol, dms. lb.24.30 -27.00
Propionic acid, syn. pure, dms., c.l., works lb. .23¼ - —
dms., l.c.l., works lb. .24¼ - —
tanks, works lb. .20¾ - —
n-Propyl acetate, dms., c.l., dlvd. lb. .14¾ - —
dms., l.c.l., dlvd. lb. .15¾ - —
tanks, dlvd. lb. .12¼ - —
n-Propyl alcohol, dms., c.l., dlvd lb. .14 - —
dms., l.c.l. dlvd lb. .15 - —
tanks, dlvd. lb. .11½ - —
n-Propyl gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40
n-Propyl p-Hydroxybenzoate, USP, dms. lb. 2.30 - 2.40
Propyl thiouracil, bots., 50 kilo lots or more kilo.55.00 - —
bots., smaller lots kilo.55.10 -56.30
n-Propylamine, dms., c.l., dlvd. lb. 1.24 - —
dms., l.c.l., same basis lb. 1.25 - —
Propylene dichloride, consumers, dms., c.l., dlvd. E lb. .0845- —
dms., l.c.l., same basis lb. .0950- —
tanks, same basis lb. .07 - —
Propylene dichloride prices in West 1c. higher same basis.
Propylene glycol, indust., dms., c.l., dlvd. E lb. .16 - —
dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13¼ - —
USP, dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .15½ - —
Propylene glycol methyl ether, dms., c.l., dlvd lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½ - —
Propylene oxide, dms., c.l., dlvd. E. lb. .18 - —
dms., l.c.l., dlvd. E lb. .19 - —
tanks, dlvd. E lb. .15½ - —
Psyllium seed, black, bgs. lb. .32 - .34
Blonde, bgs. lb. .16 - .18
Husks, bgs. lb. .39 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots. lb. .03¾ - .04¼
bgs., smaller lots. lb. .03½ - —
Imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½ - —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs. ton.60.00 - —
fine, bgs. ton.60.00 -70.00
Pumpkin seed, bgs. lb. .25 - .26
Pyrethrins, syn. (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works.lb. .45 - —
Powd., 1.3% pyrethrins, bbls., works lb. .65 - —
Pyrethrum liquid, 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 8.75 - 8.95
100/1 basis (10 grams pyrethrins per 100cc odorless base) dms., works gal.41.75 -42.75
Pyrethrum oleoresin, dewaxed, 20%, dms., works lb.10.00 - —
purif., 20% dms., works lb.10.00 -10.10
Pyridine, denat., dms., c.l., works and frt. equald gal. 2.77 - —
dms., l.c.l., same basis gal. 2.80 - —
Refd., 2°, non-ret. dms., l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots., 500-gram lots or more kilo.218.00 - —
Pyrites, Canadian, 48-50% S, mines, long-ton. 5.00 - 6.00
Pyrocatechol (see Catechol).
Pyrogallic acid, NF (see Pyrogallol).
Pyrogallic acid, tech., bbls. lb. 3.17 - 3.23
Pyrogallol, NF, 100 lb. dms. lb. 3.50 - —
Pyroxylin, USP, bots. lb. 9.50 - —

Q

Quassia chips lb. .17 - —
Quebracho extract, clarified, grd., 70% tannin, bgs., works lb. .16½ - .17
Clarified, liq., 25% tannin, bbls., works lb. .08¼ - .08½
Solid, 64% tannin, bgs., c.l., ex dock lb. .106718- —
Ordinary solid, 63% tannin, bgs., c.l., same basis lb. .099228 —
Quercetin, fib. dms., kilo lots kilo.26.40 - —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
Liq., No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs. lb. 2.00 Nom.

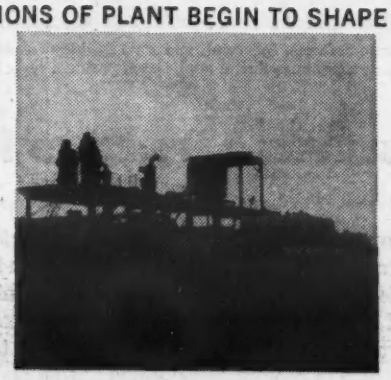
WITCO'S PHTHALIC PLANT NEARS COMPLETION!

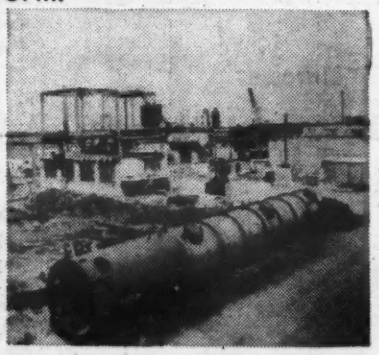
Design and Construction by Scientific Design Co., Inc.

Construction work continues as fast as possible on Witco's new phthalic plant. Structural steel, tanks, reactors, columns will soon be all in place, and the most modern quality control equipment is being installed. When it's on stream in early 1959, Witco's new plant will provide 20,000,000 lbs. annually of highest quality phthalic.

WITCO MEANS QUALITY IN PHTHALIC ANHYDRIDE

SECTIONS OF PLANT BEGIN TO SHAPE UP....





WITCO CHEMICAL COMPANY, INC.

122 East 42nd Street, New York 17, N. Y.

Chicago · Boston · Akron · Atlanta · Houston · Los Angeles · San Francisco · Toronto, Ontario · London and Manchester, England

Quinidine sulfate USP cns. 1,000-oz. lots oz. .74½- .75
Quinine, NF, cns. 100-oz lots oz. .54 —
Quinine bisulfate USP cns., 100-oz. lots oz. .28 .29
Quinine hydrochloride cns. 1,000-oz. lots oz. .32 —
Quinine sulfate USP cns. 1,000-oz. lots oz. .27½- .29
Quinoline, dms. c.l. frt. equald lb. .50¾ —
dms., l.c.l. same basis lb 51¼ —
tanks same basis lb .50 —

R

R salt paste dms. frt alld. 100% basis lb .88 —
Powd. frt alld 100% basis lb .98 —
R seed oil, dms. lb. 17½- .18
tanks lb .16 —
R earth oxalate 45-50% bgs. works lb 1.00 —
Rauwolfia serpentina root powd bbls., dms lb. 1.00 - —
Red carmine No 40 (see Carmine)
Red oil (see Oleic acid)

Red Pigments

Red pigment quotations are listed individually. For example, prices on Red, lithol toner, may be found in the L's under Lithol red toner.

Red precipitate (see Mercuric oxide red)
Red saunders NF powd. bbls lb .35 .40
Reserpine cryst. bots gram 1.40 1.60
Resorcinol tech grade dms. c.l., works frt equald lb. 77½ —
dms. l.c.l. same basis lb 78½- —
USP cryst dms works lb 2.75 —
powd., dms. works lb 2.95 —
Resorcinol monoacetate, NF, dms. lb. 2.50 - —
Rhatany root bgs. lb 15 16
Rhodamine red toner molybdated PMA, kgs lb 6.00 - —
Tungstated PTMA works kgs lb 6.60 —
Rhodinol, 5-lb. cans lb.43.00 -46.00
Synthetic lb 15.00 -16.00
Rhubarb root India, whole, bgs lb. .30 - —
Powd., bgs. lb. .38 - —
Riboflavin USP fib dms. kilo or more dlvd kilo 40.00 - —
USP readily soluble bots dlvd kilo 130.00 - —
Riboflavin 5-phosphate-sodium fib dms. kilo or more dlvd kilo 107.50 - —
Rice bran oil, clarified, dms. l.c.l. lb. .15½- —
tanks, dlvd, E lb. .13½- —
Rice starch (see Starch, rice)
Ricinoleic acid (see Castor oil acids, sptd).
Rochelle salt (see Potassium-sodium tartrate).
Roofing pitch (see Coaltar pitch roofing)
Rose oil, nat., Bulgarian bots oz.72.00 —
Turkish, bots. oz.55.00 -58.00
Rosemary oil, Spanish, NF cns. dms. lb. 1.05 - 1.65
tech., cns., dms. lb. .50 1.20
Rosin gum and wood (see Naval Stores in Protective Coatings market)
Rotenone, fib dms., works, unit-lb. .12 - —
resin 25-45% fib dms. works, unit-lb. .12 - —
Rottenstone bgs., 6-ton lots, ex-whse lb. .03¾- —
bgs. ton lots, same basis lb. .04¼- —
Rubber cement, petroleum tanks, Calif ex tax, San Francisco gal. .178 - —
tanks, east coast, N. J., N. Y. gal. .19 —
tanks, group 3 gal. .3375- —
Rue oil, bots lb. 2.75 3.00
Rutin NF fib dms., 10 kilo lots kilo.16.50 - —
fib, dms., 5 kilo lots kilo.17.00 - —
fib, dms., 1 kilo kilo.18.00 - —
Ryania 100%, powd., bgs., c.l., works lb .22 - —
bgs., t.c.l., same basis lb. .24 - —

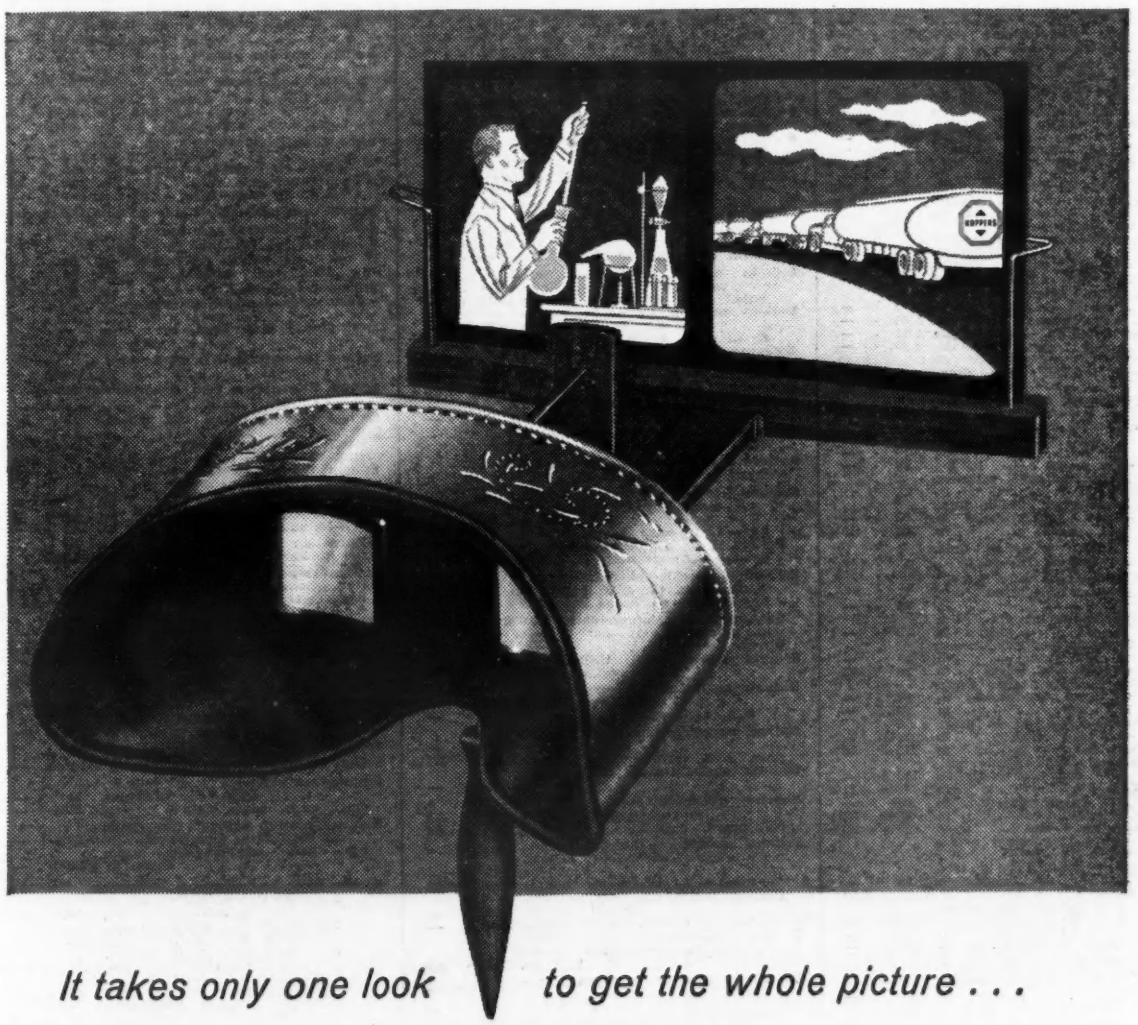
S

S acid, bbls., works lb. 3.25 - —
Sabadilla seed, activated, ground with lime, bbls lb. .42 - .44
Saccharin, calcium fib dms. 1,000-lb lots works lb. 2.50 - —
USP, gran., soluble, dms., 1,000-lb. lots lb. 1.60 - —
dms., smaller lots lb 1.70 - 1.80
USP, powd., soluble insoluble, dms., 1,000-lb lots lb. 1.65 - —
dms., smaller lots lb 1.75 - 1.95
Safflower oil, dms., New York lb. .1835- .1885
tanks, Atl. Coast lb. .1635- —
Safrol, dms. lb. .80 - .95
Saffron, Mancha Superior, tins lb.34.00 - —
Sage, Greek, bgs lb. .14 - —
Dalmatian, cns. lb. .36 - .40
Italian, cns. lb. .15 - —
Sage oil, clary, bots lb.25.00 -32.00
Dalmatian, cns. lb. 3.75 - 4.00
Spanish, cns. lb. 1.20 - 1.45
Sago flour raw bgs. lb .07 - .07¼
Refd., bgs. lb. .09 - .09¼
Sal soda (see Soda ash)
Salicylaldehyde, dms., c.l., t.l., f.o.b. plant, frt. equald lb. 1.23 - —
dms. t.c.l., same basis lb. 1.25 - —
Salicylamide, 100-lb. dms lb. 1.00 - 1.10
Salicylic acid, crude, fib dms., c.l., t.l., frt alld lb. .37¼- —
fib dms., t.c.l., frt. alld. on 100 lbs. or more lb. .38½- —
sublimed, tech., fib. dms., c.l., t.l., dlvd lb. .39¼- —
fib. dms., t.c.l., dlvd. lb. .43½- —
USP, cryst., 200-lb. fib. dms., 1,000-lbs. or more lb. .50½- —
200-lb. fib. dms., less than 1,000 lbs. .53½- —
100 lbs. fib. dms., 1,000 lbs. or more lb. .52¼- —
100-lb. fib. dms., less than 1,000 lbs lb. .55½- —
Powd., 100 lb. fib. dms., 1,000 lbs. or more lb. .57¼- —
100-lb. fib. dms., less than 1,000 lbs lb. .60½- —
Salol, NF, gran., bbls., kgs. lb. 1.20 - —
Powdered salol, 25c per lb higher
Salt, rock, paper bgs., c.l. 100 lbs. 1.09 - —
Salt, table, vacuum, common, fine, paper bgs., c.l. 100 lbs. 1.34 - —
Saltcake, dom., bulk, works, 100% Na2SO4 basis ton.28.00 - —
Saltpeter (see Potassium nitrate)
Sandalwood, E. Indian chips, bgs. lb. .65 - .66
powd., fib. dms. lb. .75 - .76
Sandalwood oil, cns. lb.14.00 -14.75
Sardine oil, crude, tanks, Pac. coast lb. No stocks.

Sassafras oil, artif., dms. lb. .50 - .75
Nat., dom., dms lb. 1.70 - 2.15
Savin oil, USP, cns lb. 7.50 - —
Savory oil, cns lb 4.25 - —
Schaeffer's salt paste, dms., frt. alld. 100% basis lb. .85 - —
Powd. bgs. frt alld. 100% basis. lb. .93 - —
Scopolamine hydrobromide, USP. bots oz.13.00 -15.90
Sebacic acid, CP, dms. c.l., works. lb. .69½- —
dms., t.c.l., works lb. .71½- —
Purified, dms., c.l., works lb. .65½- —
dms., t.c.l., works lb. .67½- —
Seidlitz mixture fib dms. 5,000 lb. lots lb. .30½ —
fib dms smaller lots lb 31 .32
Selenium powd 99½% dms. dlvd lb. 7.00 - —
Senega root, bls. lb. 2.10 - —
Senna leaves, alexandria, whole and half, bls lb .19 - —
sifting lb 17 - —
Tinnevelly No. 1, bls lb. .19 - .20
No. 2, bls lb. .16 - .17
No. 3, bls lb. .14 - —
pods, bls. lb. .30 - —
powd bbls, bxs lb 17 - —
Serpentaria root, bls lb. 6.50 - 7.00
Sesame oil USP dms lb. .38 - .39
Sesame seed, Columbian, bgs lb. .15½- —
Lebanese hulled, bgs. lb. .19 - —
Nicaraguan hulled shipt. bgs., lb. .24½- —
nat., bgs. lb. .16 - —
Salvadorian nat., bgs lb. .16 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 - —
bbls. 1,500-lb lots lb. .47 - —
kgs., 1,500-lb. lots lb. .48 - —
Bonedry shellac prices for less than 1,500 lb. lots 1c. per lb. higher for all packages.

Shellac, bleached, refd., bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .58 - —
Shellac, orange, lemon No. 1, bgs., 10-bg. lots lb. .38 - .39
lemon No. 2, bgs., 10-bg. lots lb. .36 - .37
superfine, bgs., 10-bg. lots lb. .34 - .35
TN, bgs., 10-bg. lots lb. No Stocks
Shellac in 1 to 10-bg. lots 1c. per lb. more.
Shingle stain oil, tar distillate, dms., c.l., works gal. .37 - —
dms., t.c.l., works gal. .48 - —
tanks, works gal. .25 - —
Sienna pigment, burnt, paper bgs., c.l., works lb. .06½- .18½
paper bgs., t.c.l. works lb. .06¾- .17¾
Raw, paper bgs., c.l., works lb. .06¾- .16¾
paper bgs., t.c.l., works lb. .07 - .17
Silica, amorph, dry grd. 325 mesh, bgs. c.l., works ton.23.00 - —
bgs. t.c.l. works ex whse ton.45.00 -55.00
hard-quartz, 99½% 325 mesh, bgs. c.l. works ton.20.00 - —
bgs. t.c.l. works ton.25.00 - —
99½% 140 mesh bgs., c.l., works ton.15.00 - —
bgs. t.c.l. works ton.20.00 - —
Silicon tetrachloride tech. dms., c.l. works lb. .18 - —
dms., t.c.l. works lb. .22 - .30½
tanks works lb. .17 - —
Silver bullion, ingots cs. Troy oz. .68⅝- —

Silver cyanide, bots., 1,000-oz. lots. oz. .89½- —
bots., 500-oz. lots oz. .90 - —
bots., 100-oz. lots oz. .91 - —
Silver nitrate, CP, cryst., bots., 2,500-oz. lots oz. .63¼- —
bots., 1,000-oz. lots oz. .63⅜- —
bots., 500-oz. lots oz. .64½- —
bots., 250-oz. lots oz. .64¾- —
USP granular silver nitrate 4c. per oz. higher
Silver proteinate, mild, USP bots., dms. 1,000-oz lots oz. 1.15 - —
Strong, NF bots dms. 1,000-oz. lots oz 1.10 —
Snakeroot oil, Canada, cns. lb.45.00 -60.00
Soapbark, crushed, bls lb. .33 —
Powd., bls. lb. .35 - —
Whole, bls. lb. .30 - —
Soda ash dense, 58%, paper bgs., c.l., works 100 lbs. 1.90 - —
paper bgs. l.c.l., stock pts 100 lbs 3.00 4.77
bulk, c.l., works 100 lbs. 1.60 - —
Light, 58%, paper bgs., c.l., works 100 lbs 1.85 - —
paper bgs. t.c.l. stock pts. 100 lbs 3.95 4.72
bulk, c.l., works 100 lbs 1.55 - —
Soda, caustic, flake 76% dms. c.l., works, frt. equald 100 lbs. 5.20 - —
Liq., 50% sellers tanks, works, dry basis 100 lbs. 2.90 - —
50% rayon type, sellers' tanks, works, dry basis 100 lbs. 2.90 - 3.00



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ANTHRAQUINONE DERIVATIVES • NAPHTHALENE DERIVATIVES
RESORCINOL DERIVATIVES • AROMATIC AMINE DERIVATIVES
AND MISCELLANEOUS CHEMICALS

KOPPERS

KOPPERS COMPANY, INC.
CHEMICALS AND DYESTUFFS DIVISION
Pittsburgh 19, Pennsylvania

PLANTS: Lock Haven, Pa. • Petrolia, Pa.
BRANCHES: Providence, R. I. • Philadelphia, Pa. • Paterson, N. J. • Chicago, Ill. • Charlotte, N. C. Chattanooga, Tenn. • Columbus, Ga. • Los Angeles, Calif.
IN CANADA: Dominion Aniline & Chemicals, Ltd., Toronto, Ontario

Soda, caustic, liq., 73%, sellers' tanks, works, dry basis 100 lbs. 3.00 - —
73%, rayon type, sellers' tanks, works, dry basis 100 lbs. 3.00 - 3.10
Solid, 76%, dms., c.l., works 100 lbs. 4.80 - —
Soda ash conc. bgs. c.l. works 100 lbs 2.50 - —
bgs. smaller lots, works 100 lbs 2.80 - —
Sodium acetate anhyd., bgs., c.l., dlvd E lb. .14½- —
bgs., l.c.l., same basis lb. .16½- —
NF, 60%, gran. dms. c.l., works lb. .15½ —
dms., l.c.l., works lb. .17½- —
Sodium alginate, NF white powd., dms. 300 lbs or more lb. .93 - —
Sodium p-aminosalicylate dms., 100-lb lots or more, frt. adjusted lb 2.70 - —
Sodium antimoniate, bgs., c.l., dlvd. E lb. .25½- —
bgs., l.c.l., dlvd E lb. .27 - —
Sodium arsenate 60% arsenic pentoxide dealers, dms., ton or more, works lb. .26 - —
dms., less than ton lots, works lb. .26½- —
Sodium arsenite 90% pink powder, 75% arsenious oxide, dealers, dms. ton lots or more, works, lb. .17½- —
dms., less than ton lots, works, lb. .18 - .19
Sodium ascorbate dms., 25-50 kilo lots kilo.10.00 - —
dms., 10-kilo lots kilo.10.35 - —
dms., 5-kilo lots kilo.10.75 - —
dms., 1-kilo lots kilo.11.00 - —
bots., 500-gram bots kilo.11.50 - —
Sodium benzoate tech. c.l, t.l., frt. alld lb. .35 - —
dms., l.c.l. same basis lb. .38 - —
USP, c.l., t.l. frt. alld lb. .38 - —
ton lots same basis lb. .43 - —
1,000-lb. lots, same basis lb. .45 - —
Sodium bicarbonate USP gran., bgs., c.l., works 100 lbs. 2.95 - —
bgs., l.c.l., works 100 lbs 3.85 - —
USP, powd., bgs., c.l., works, 100 lbs. 2.55 - —
ogs., l.c.l., works 100 lbs 3.45 - —
Sodium bichromate, gran., bgs., c.l., t.l., works lb. .13 - —
bgs., l.c.l., works 13¼- .14¼
Sodium bifluoride bbls. c.l., works, frt. equald lb. .19½- —
bbls., l.c.l., same basis lb. .1990- —
Sodium bisulfate, bulk c.l., works 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 3.60
dms., l.c.l., frt. equald 100 lbs 3.50 - 4.10
Sodium bisulfite anhyd., bgs., c.l., works 100 lbs 5.00 - —
bgs., l.c.l., works 100 lbs. 5.45 - —
Soln., 35° bbls., c.l., works 100 lbs. 1.70 - —
bbls., l.c.l. works 100 lbs 2.20 - —
Sodium borate (see Borax)
Sodium bromide, USP gran., dms., works lb. .40 - —
Sodium carbonate, cryst. monohydrated (see Soda ash)
Sodium carbonate, monohydrated, bgs., c.l., works 100 lbs. 3.10 - —
bgs. l.c.l. works 100 lbs 3.50 - —
Sodium carboxymethyl cellulose (see CMC)
Sodium chlorate cryst., 350-lb. dms., c.l., works lb. .09 - —
dms., l.c.l., works lb. .09½- .10¼
Sodium chlorate in 100-lb. dms. only, ¼c. per lb. higher.
Sodium chloride, tech. (see Salt)
Sodium chloride, USP gran., bgs. lb. .05 - —
Sodium chlorite tech. dms., c.l., works lb. .58 - —
dms., 20-dm. lots or more, works, lb. .68 - —
dms. smaller lots, works lb. .70 - .73
Sodium chloroacetate tech., dms., c.l., works lb. .27 - —
dms. l.c.l. works lb. .28 - —
Sodium chromate, anhyd., fib. dms., c.l. t.l. works lb. .14¾- —
fib. dms. l.c.l. works lb. .15¼- .16½
Sodium chromate, tetrahydrate, bgs., c.l., t.l., works lb. .1015- —
bgs. l.c.l. lb. .1065- .1190
Sodium citrate, anhyd. dms lb. .62 —
NF VIII, gran., dms lb. .26½- .27½
USP XIV gran. dms lb. .29½- .30½
Sodium citrate USP powd prices ½c higher
Sodium cyanate dms. 1,000-lb. lots, works lb. .85 - —
dms. smaller lots works lb. .90 - 1.10
Sodium cyanide, flake, 96-98%, dms., c.l or 20,000-lb lots lb. .193 - —
dms. over 1,000-lb. lots lb. .203 - —
dms. 100-lb to 1,000-lb lots lb. .213 - —
Gran. sodium cyanide ½c higher.
Sodium diacetate, 33-35% acidity, 250-lb dms. works lb. .15 - —
250-lb dms. l.c.l. works lb. .15¾- —
Anhyd. dms. c.l., works lb. .18 - —
dms. l.c.l works lb. .18¾- —
Sodium dimethyl dithiocarbamate, 40% soln., dms., c.l., t.l., frt. alld., 100% basis lb. .42 - —
dms., l.c.l., l.t.l., same basis lb. .47 - .52
tanks, same basis lb. .38 - —
Sodium ferrocyanide bgs. 10-ton lots lb. .13½- —
bgs. smaller lots lb. .14 - —
Sodium fluoride white, 97% fib. dms. c.l. works, frt. equald lb. .1390- —
Sodium fluoride, white, 97%, fib. dms., l.c.l., works, frt. equald lb. .1430- —
Sodium formate bgs. c.l., works, 100 lbs. 7.60 - —
bgs., l.c.l., works 100 lbs 8.65 - —
Sodium gentisate, 100-lb. fib. dms. lb 5.50 - —
Sodium gluconate, refd., dms. lb. .34 - —
Tech., dms., bgs. lb. .37 - .39
Sodium hydride powd. dms. works, lb. 1.90 - 2.78
Sodium hydrosulfide (see Sodium sulfhydrate)
Sodium hydrosulfite dms. c.l., frt. alld lb. .23¾- —
dms., l.c.l. frt. alld lb. .24¾- —
Sodium hydroxide, NF, pellets, 100-lb dms. 1 to 100-dm lots. c. .23½- .28
Sodium hydroxide tech. (see Soda, caustic)
Sodium hypophosphite NF dms., 1,000-lb. lots lb. .97 - —
Sodium hyposulfite anhyd. photo grade, bgs. c.l., works, 100 lbs. 7.50 - 8.05
bgs., l.c.l., works 100 lbs. 7.89 - 8.45
Sodium hyposulfite, tech., bgs., c.l., works 100 lbs. 7.25 - —
bgs., l.c.l., works 100 lbs. 7.60 - —
Sodium hyposulfite hexahydrate, pea, cryst. bgs., c.l., works 100 lbs. 5.15 - —
bgs. l.c.l., works 100 lbs 5.55 - —

Sodium hyposulfite hexahydrate, photo grade bgs. c.l. works, 100 lbs. 7.75 - —
bgs., l.c.l. works 100 lbs 8.05 - —
Sodium hyposulfite pentahydrate, tech., bgs. c.l. works, 100 lbs. 4.65 5.15
bgs., l.c.l., works 100 lbs. 4.90 5.55
Sodium iodide, USP, 300-lb. dm lb. 1.98 —
Sodium lactate, edible 60%, chys., dms. works lb. .26½- —
Sodium lauryl sulfate, dms. c.l., dlvd lb. .19 —
dms., l.c.l., dlvd lb. .19½- .20¾
tanks, dlvd lb. 18 - —
Sodium metabisulfite (see Sodium bisulfite)
Sodium metaborate octahydrate, gran. bgs. c.l. works ton.92.00 - —
bgs., ton lots, ex whse ton.150.00 - —
bgs., smaller lots ex whse ton.155.00 - —
Sodium metaborate tetrahydrate bgs., c.l. works ton.200.00 - —
bgs., ton lots, ex whse ton.268.50 - —
bgs., smaller lots, ex whse ton.273.50 - —
Sodium, metallic, bricks, c.l. works, lb. .19½- —
Fused, 18,000-lb. lots or more, works lb. .19 - —
tanks, works lb. .17 - —
Sodium metanilate bbls. frt alld. lb. .69 - —
Sodium metasilicate anhyd., bgs. c.l., works 100 lbs 5.70 - —
bgs., 6,000-19,900 lb lots works, 100 lbs 5.95 - —
bgs., l.c.l. works 100 lbs 6.05 - —
dms., c.l., works 100 lbs 6.20 - —
dms., l.c.l., works 100 lbs 6.55 - —
gran., fib dms lb. .17½- .19
Sodium metasilicate pentahydrate, bgs., c.l., works 100 lbs 4.45 —
bgs., l.c.l., works 100 lbs 4.80 6.75
dms., c.l., works 100 lbs 4.95 —
dms., l.c.l. works 100 lbs 5.30 7.25
Sodium molybdate anhyd., dms., works, f.o.t equald lb. .92 - .96
Cryst., dms. works, frt alld lb. .73 - .74
Sodium monoglutamate (see Monosodium glutamate)
Sodium monohydrate (see Sodium carbonate monohydrated)
Sodium naphthionate bbls lb. .70 - —
Sodium nitrate, dom., crude, bgs., c.l. works ton.48.73 - —
bulk, c.l., works ton.45.25 - —
Imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse ton.49.75 - —
ton.49.75 - —
bulk, c.l., same basis ton.46.25 - —
Sodium nitrite, USP, bbls., c.l., works, frt. equald 100 lbs 9.00 - —
bbls., l.c.l. same basis 100 lbs.11.00 - —
Sodium orthosilicate conc., dms., c.l., works 100 lbs 6.70 - —
dms., l.c.l., works 100 lbs 7.05 - 7.65
Sodium orthosilicate, hydrated, flake, bbls., c.l., works, 100 lbs 5.65 - —
bbls., l.c.l., works 100 lbs 7.60 - 7.90
Sodium oxalate, 98% bgs., works, 100 lbs.12.35 - —
Sodium para-aminobenzoate (see Sodium p-aminobenzoate)
Sodium para-aminosalicylate (see Sodium p-aminosalicylate).
Sodium pentachlorophenate, briquets, bgs. c.l. works, frt. equald lb. .36 - —
bgs., l.c.l., same basis lb. 37½- .34
Pellets, bgs., c.l., same basis lb. .38 - —
bgs., l.c.l., same basis lb. 37½- .34
Sodium pentachlorophenate, powd., bgs., dms., c.l., same basis lb. .25 - —
bgs., dms., l.c.l., same basis lb 26½- .33
Sodium pentachlorophenate, 20,000 lbs., min. truckloads, ¼c. per lb over carlot prices.
Sodium pentobarbital, USP, dms., 100 lbs. or more lb. 6.00 - —
Sodium perborate, NF, tech., bgs., c.l., works lb. .19 - —
bgs., l.c.l., works lb. .21 - —
Sodium peroxide dms c.l., t.l., dlvd. E of Miss lb. .20½- —
dms., l.c.l. same basis lb. .21 - .21½
Sodium phenobarbital, USP, 100-lb. dms lb. 3.75 - —
Sodium phenolsulfonate, USP (X), gran., dms lb. .50 - .51
NF, powd., dms. lb. .53 - .54
Sodium phosphate, dibasic, anhyd., bgs., c.l. frt equald. 100 lbs. 7.95 - —
bgs., l.c.l., same basis 100 lbs. 8.35 - 9.40
Dibasic, duohydrate, bgs., c.l., frt. equald 100 lbs 7.60 - —
bgs., l.c.l., same basis 100 lbs. 8.10 - —
Sodium phosphate, dibasic, USP, dried, powd., bgs., dms., works lb. .19 - .20½
Sodium phosphate, monobasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.00 - —
bgs., l.c.l., same basis 100 lbs. 9.40 -10.00
Sodium phosphate, tribasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.05 - —
bgs., l.c.l. frt. equald.100 lbs 9.45 -10.05
Cryst., bgs., c.l., t.l., frt. equald. 100 lbs. 4.60 - —
bgs., l.c.l., frt. equald 100 lbs. 5.00 - 5.75
Sodium phosphate in dms. 60c to 80c higher than bgs
Sodium prussiate, yellow (see Sodium ferrocyanide)
Sodium pyrophosphate, acid, bgs., c.l., works, frt equald. 100 lbs.11.10 - —
bgs., l.c.l., same basis 100 lbs.11.85 -12.35
Sodium pyrophosphate ferric, dms., c.l., t.l., works lb. .36 - —
dms., l.c.l., works lb. .37 - .39
Sodium pyrophosphate, tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.81 - —
bgs., l.c.l., same basis 100 lbs. 9.21 - 9.71
Sodium salicylate, USP, dms., 1,000-lbs. or more lb. .78½- —
dms., less than 1,000 lbs., dms. lb. .81½- —
Sodium sesquicarbonate, bgs., c.l., works 100 lbs 3.35 - —
bgs., l.c.l., dlvd zone 1 100 lbs 4.10 4.35
dlvd. zone 2 100 lbs. 4.35 - 4.60
dlvd. zone 3 100 lbs 4.75 4.90
dlvd. Zone 4 100 lbs 5.35 - 5.60

Sales zones are: (1) All states E. of Miss., R and N of south bound of Ky and Va., Ala., La., and Miss., south of 31° Tex E of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark E of 98° Ga.; Iowa (except Davenport), Minn Mo. (except St. Louis) Neb E of 98° N C., S C., Tenn. and Tex. N of 31 and E of 100° (except Wichita Falls); also Ala., La and Miss. No. of 31°; (3) Ark W of 98°, Kan., Neb W of 98° N D., Okla., S D., Tex., W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.

Sodium sesquisilicate, anhyd., bgs., c.l., t.l., works 100 lbs. 5.70 - —
dms., c.l., t.l., works 100 lbs. 6.20 - —
hydrated, bgs., c.l., works 100 lbs. 5.00 - —
bgs., 6,000-19,900 lb. lots, works, 100 lbs. 5.33 - —
Sodium sesquisilicate, hydrated, dms., c.l., works 100 lbs. 5.50 - —
dms., 6,000-19,900 lb lots, works, 100 lbs. 5.85 - —
Sodium silicate, liq., 40° Be, turbid, 1:3.2, dms., c.l., works, 100 lbs. 1.55 - —
dms., l.c.l., works 100 lbs 1.90 2.40
tanks, works 100 lbs 1.20 - —
47° Be, turbid, 1:2.9, dms., c.l., works 100 lbs. 2.25 - —
dms., l.c.l., works 100 lbs. 2.60 - 3.45
tanks, works 100 lbs 1.90 —
Sodium silicate, liq., 52° Be, turbid, 1:2.4, dms., c.l., works, 100 lbs. 2.65 - —
dms., l.c.l., works 100 lbs. 3.00 - 3.50
tanks, works 100 lbs 2.30 —
Solid, 1:3.2, bgs. works ton.67.50 - —
Sodium silicofluoride, bgs., c.l., works lb. .065 - —
bgs. l.c.l. works lb. .069 - —
Sodium silicofluoride in dms. 0.4c. per lb higher
Sodium stannate dms. works, frt. alld. E lb. .589 - .648
Sodium sulfa drugs (see Sulfa name).
Sodium sulfanilate, bbls. works lb. .22 - —
Sodium sulfate, NF VII, dried, powd. dms lb 22½- —
Tech., anhyd., bgs., c.l., dlvd. E ton.54.00 - —
detergent, rayon grade bgs. c.l., works ton.36.00 - —
bulk, c.l., works ton.32.00 - —
USP, cryst., fib. dms lb. .17½- .18
Sodium sulfhydrate, flake, 70-72%, dms., c.l., works frt equald. lb. .07¼- —
dms., l.c.l., same basis lb. .08¼- —
Liq., 40-44% tanks works, 100% basis ton.130.00 - —
Sodium sulfide, flake, dms., c.l., works, E. frt equald lb. .08 - —
dms., l.c.l., same basis lb. .07 - —
fused, bbls., c.l., works, E., frt. equald lb. .05½- —
bbls., l.c.l., same basis lb. .06½- —
Sodium sulfite, anhyd., bgs., c.l. works 100 lbs. 7.55 - —
bgs. l.c.l. same basis 100 lbs. 7.95 - —
Tech., bgs. c.l., works 100 lbs 3.50 - —
bgs. l.c.l., same basis 100 lbs. 4.00 - —
Sodium sulfocyanide, CP (see Sodium thiocyanate)
Sodium tetraborate (see Borax)
Sodium tetrasulfide, liq., 40%, dms., c.l. works, frt. equald lb. .04½- —
dms., l.c.l., same basis lb. .05½- —
Sodium thiocyanate, CP, dms. lb. .35 - .39
Tech., anhyd., dms., 1 ton lots or more, works lb. .317 - —
dms., less than ton lots, works lb. .337 - —
Sodium thiosulfate, NF, cryst., bbls. lb. .13½- —
Sodium thiosulfate, tech. (see Sodium hyposulfite).
Sodium titanate, ctns., c.l., works, lb. .14¼- —
ctns., 5-ton lots, works lb. .14½- —
ctns., 1-ton or less, works lb. .14¾- —
Sodium trichloroacetate, 94%, 100-lb dms. c.l. frt alld E. lb. .35 - —
50-lb. dms., c.l., frt. alld. E lb. .35½- —
10-lb. cns., c.l., frt. alld. E lb. .42 - —
Prices on Sodium trichloroacetate W of the Rockies are 1¼c per pound higher.
Sodium tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 8.16 - —
bgs., l.c.l., same basis 100 lbs. 8.56 - 9.06
Sodium trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.95 —
bgs., l.c.l., works 100 lbs. 9.70 -13.13
dms. c.l., works 100 lbs. 9.45 —
dms., l.c.l., works 100 lbs. 10.20 -10.60
Sodium tungstate, tech., kgs. dlvd. E lb. 1.18 Nom.
Sodium-ammonium phosphate, purif., cryst., dms., works lb. .52 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
dms., l.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fib. dms., 1,000-lb lots or more works lb. .28 - —
fib. dms., smaller lots, same basis lb. .30 - —
Solvent naphtha, petroleum, aromatic 312°-365°F b.r., 17.2°C. m.a.p., tanks, New Jersey gal. .345 - —
315°-350°F b.r. 17.2°C. m.a.p., tanks, Texas City gal. .35 - —
342°-351°F. b.r., 15°C. m.a.p., tanks, Baytown, Texas. gal. .32 - —
319°-348°F b.r. 16.5°C m.a.p., tanks, Houston gal. .32 - —
322°-350°F. b.r., 17.2°C. m.a.p., tanks, Baytown, Tex. gal. .29 - —
334°-392°F. b.r., 19°C. m.a.p., tanks, Philadelphia gal. .25 - —
362-412° F b.r., 17.5°C m.a.p., tanks, Houston gal. .32 - —
365°-404°F b.r. 19°C. m.a.p., tanks, New Jersey gal. .43 - —
367°-421°F b.r. 20°C. m.a.p., tanks, Baytown, Tex. gal. .30 - —
Solvent naphtha, petroleum, partial aromatic, 205°-282°F b.r., 38°C. m.a.p. tanks, New Jersey gal. .24 - —
211°-277°F. b.r. 25.6°C. m.a.p., tanks, New York, New Jersey gal. .28 - —
212°-293°F. b.r., 38°C. m.a.p., tanks, Philadelphia gal. .24 - —
221°-278°F b.r. 34.8°C m.a.p., tanks, Houston gal. .30 - —
266°-374°F b.r. 24°C m.a.p., tanks, Philadelphia gal. .25 - —
283°-325°F b.r., 41.6°C. m.a.p. tanks Houston gal. .33 - —
284°-383°F. b.r., 35°C m.a.p., tanks, Philadelphia gal. .27 - —
357°-403°F. b.r., 34°C., m.a.p., tanks, Houston gal. .26 - —
358°-401°F. b.r., 24.4°C. m.a.p., tanks, New Jersey gal. .38 - —
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
fib dms., 10,000 to 20,000-lb. lots, works lb. .35 - —
fib. dms., smaller lots, works lb. .38 - .40
Sorbitan tristearate, fib dms., 20,000-lb. lots, works lb. .34 - —
fib. dms., 10,000 to 20,000-lb. lots, works lb. .36 - —
fib. dms., smaller lots, works lb. .39 - .41
Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .23 - —
dms., 1 to 5-ton lots, works, lb. .25 - .26
Powd., dms., c.l., works lb. .26 - —
dms., 1 to 5-ton lots, works, lb. .28 - .29

Sorbitol, soln., coml., aqueous, dms., c.l., works lb. .24¼- —
dms., ton lots, works lb. .25 - —
dms., smaller lots, works lb. .25¼- —
tanks, works lb. .23¼- —
NF, reg., 70% aqueous, dms., c.l., works lb. .16 - —
dms., ton lots, works lb. .16¾- —
dms., smaller lots works lb. .17 - —
tanks, works lb. .15 - —
Soya protein, chemically isolated, old process, bgs., c.l., works, lb. .23 - —
bgs., l.c.l., works lb. .23½- —
Chemically isolated, new process, bgs., c.l., works lb. .19 - —
bgs., l.c.l., works lb. .19½- —
Soybean meal, 44% bulk, Decatur. ton.60.00 - —
Soybean oil, crude, tanks, Decatur. lb. .09¾- —
Foots, soapstock, acid 95%, tanks, N. Y. lb. .04½- —
Refd., alkali, dms. lb. .1425- .1475
tanks lb. .1235- —
clarified, dms. lb. .1385- .1425
tanks lb. .1185- —
salad, dms. lb. .14¼- .14½
tanks lb. .12¼- —
Soybean oil acids, dbl. dist, dms. lb. .19 .21½
tanks lb. .16½- —
Single-distilled, dms. lb. .17¾- .20¼
tanks lb. .15¼- —
Soybean pitch, dms. works lb. .05 .05¼
Sparteine sulfate cns oz. 80 90
Spearmint leaves, dom. bls lb. 75 —
Spearmint oil, NF, dms. lb. 5.50 - 6.35
Spermaceti, oil bleached winter, 45° dms lb. .1625- .17
tanks lb. .1450- —
Nat., winter, 45°, dms lb. .1525- .16
tanks lb. .1350- —
Spermaceti wax, blocks, cs lb. .31 .34
Cakes, cs lb. .32 .34
Spruce extract, liq., reg tanks, works lb. .01¾- —
Powd., super, bgs., c.l., works, lb. .05¼- —
bgs., l.c.l., works lb. .05½- —
Spruce oil, cns., dms. lb. 2.10 3.55
Squill, white bls lb. .16 .18
White powd bbls, bxs lb. .17 .20
St John's bread, edible, bls lb. .14 .16
Stannic chloride, anhyd., dms., works lb. .748 - .758
Stannic oxide, dms., dlvd. lb. 1.02 - 1.03
Stannous chloride anhyd., dms., works lb. .940 - 1.434
Stannous chloride, hydrous, cryst., dms., works lb. .81½- .82¼
Stannous sulfate, dms., works lb. .998 - 1.018
Starch corn pearl paper bgs., c.l. 100 lbs. 7.38 - —
paper bgs., l.c.l. 100 lbs. 7.53 - —
Powd., paper bgs, c.l. 100 lbs. 7.50 - —
paper bgs., l.c.l. 100 lbs. 7.65 - —
Prices for corn starch in cotton bags, 15c. per 100 lbs. higher
Starch potato, dom. (Idaho, bgs., c.l., works lb. .0635- —
Maine, bgs., c.l., works lb. .06½- —
bgs., l.c.l., ex whse, New York, lb. .08¾- .10
Starch, rice, bgs., ex whse lb. .14 .15
Starch, wheat, bgs lb. .08½- .09
Star root (see Helonias root)
Stargrass root (see Aletris root).
Staves acre seed, bgs lb. .60 .51
Stearic acid, dbl. pressed, bgs lb. .16 - .18¼
Single-pressed, bgs lb. .15½- .18
Triple-pressed, bgs lb. .18¼- .20¾
Stearine, oleo (see Oleostearine)
Stoddard solvent, petroleum tanks, east coast, New Jersey, New York gal. .18 - —
tanks, western Pennsylvania, gal. .16 —
tanks, group 3 gal. .13375- —
tankwagon, Boston gal. .30 - —
Chicago gal. .299 - —
Cleveland gal. .23½- —
Los Angeles, ex tax gal. .199 - —
Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½- —
Pittsburgh gal. .19 - —
Stramonium leaves, bgs. lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .0650- .0675
Streptomycin sulfate, bulk gram. .0650- .0675
Strontium bromide, NF, cryst., 150-lb. fib. dms lb. .84 - —
Strontium carbonate, pure, dms., 5-ton lots or more, works, lb. .35 - —
dms., 1-ton lots, works lb. .37 - —
Tech., dms., works lb. .19 - —
Strontium chromate fib. dms., works, lb. .49 - —
Strontium iodide, jars, 25-lb. lots, lb. 3.57 - —
Strontium nitrate, bgs., c.l., works, 100 lbs.11.00 - —
bgs., l.c.l., works 100 lbs.12.00 - —
Strontium salicylate, NF, dms lb. 1.88 - —
Strontium sulfate, air floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strophanthin G (see Ouabain, USP)
Strophanthin K, bots oz.25.00 -25.50
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 3.75
Styrax gum, USP, cs. lb. 3.00 Nom.
Styrene monomer, polymer grade, 99.6% dms. c.l., frt. alld. lb. .17 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .14¼- —
Tech., 99.2%, dms., c.l. lb. .1512- —
dms., l.c.l., same basis lb. .1712- —
tanks, bulk, same basis lb. .1262- —

Above prices are escalated for each calendar quarter on the basis of cost of crude oil at the well, cost of petroleum refining labor, and prices in the three major sections of the Wholesale Commodity Price Index.

Styroly) acetate, bots lb. 1.25 - 1.45
Succinic acid, purif., cryst., bbls., works lb. .63 - .75
Sucrose, refd., white, bgs., refy. E. lb. .0935- —
Sucrose octa-acetate, denaturing grade, 100-200-lb. lots bgs., l.c.l., works lb. .84 - —
Sugar (see Sucrose).
Sugar cane wax, dom., refd., slabs, 80-lb. ctns., works lb. .63 - .75
80-lb ctns., spot lb. .67½- 72¼
Sulfabenzamide, dms kilo. 8.80 - 9.90
Sulfabenzamide-sodium, dms kilo. 9.00 -10.10
Sulfacetamide, USP, fib. dms kilo. 7.70 - 8.80
Sulfacetamide-sodium, USP, fib. dms kilo. 8.15 - 9.25
Sulfadiazine, USP, microcrystals, dms kilo.23.35 -24.45
USP, powd., dms kilo.22.60 -23.70
Sulfadiazine-sodium, USP, dms kilo.24.80 -25.90
Sulfaguanidine, NF X, dms kilo 5.50 - 6.60
Sulfamerazine, USP, microcrystals, dms kilo.23.50 -24.60
Sulfamerazine-sodium, USP, powd., dms kilo.24.80 -25.90
Sulfamethazine, microcrystals, USP XV, dms kilo.19.85 -20.75
Powd., dms kilo.18.75 -19.85

Sulfamic acid, cryst., dms., c.l., t.l., works 100 lbs. 16.00 • —
dms., l.c.l., t.t.l., works 100 lbs. 17.50 -18.50
100 lbs. or more..lb. 6.00 • —
gran., dms., c.l., t.l., works, 100 lbs. 14.75 • —
dms., l.c.l., t.t.l., works 100 lbs. 16.25 -17.25
Sulfanilamide, NF X, 30-80 mesh, dms kilo. 3.03 • 3.50
NF X, microcrystals, dms..kilo. 3.79 • 4.30
NF X, powd., dms.....kilo. 2.85 • 3.30
Sulfanilamide quinoxaline, veterinary, dms kilo. 14.12 -14.85
Sulfanilic acid, tech., dms., c.l., frt. alld lb. .21 • —
dms., l.c.l., frt. alld.....lb. .23 • —
Sulfapyridine, USP XV, powd., bots., tins..kilo. 15.45 -16.55
Sulfapyridine-sodium, monohydrate, dms kilo. 16.55 -17.65
Sulfathiazole, NF X, powd. dms. kilo. 5.50 • 5.85
microcrystals, dms. .....kilo. 6.25 • 6.60
Sulfathiazole-sodium, NF X, dms., 1,000-lb. lots or more..lb. 2.35 • —
Sulfur, coml. flour, bgs. mines, 100 lbs. 2.45 • —
bbls., mines .....100 lbs. 3.20 • —
lump, bgs., mines.....100 lbs. 2.35 • —
bbls., mines.....100 lbs. 2.90 • —
Sulfur, crude, dom., bright, bulk, f.o.b. cars, mines..long-ton. 23.50 • —
Export, f.o.b. vessels Gulf ports..long-ton. 25.00 • —
US and Canada, f.o.b. vessels Gulf ports, long-ton. 25.00 • —
Domestic dark sulfur prices are $1 per long-ton lower.
Sulfur, crude, bulk, imp., Mexican, filtered, f.o.b. vessel, Coatzacoalcos..long-ton. 24.00 • —
Mexican dark sulfur price is $1 per long ton lower
Sulfur, refd., flowers, NF, bgs., mines..100 lbs. 5.13 • —
bbls., mines.....100 lbs. 6.50 • —
flour, light, bgs., mines..100 lbs. 4.75 • —
bbls., mines.....100 lbs. 5.75 • —
lump, bgs., mines.....100 lbs. 4.45 • —
rolls, bgs., mines.....100 lbs. 5.00 • —
bbls., mines .....100 lbs. 5.75 • —
salt block, bgs., mines..100 lbs. 4.65 • —
virgin block, bbls., mines, 100 lbs. 4.70 • —
Sulfur, rubbermakers coml., reg., bgs., mines 100 lbs. 2.53 • —
bbls., mines 100 lbs 3.80 • —
98-100%, passing through 325 mesh, bgs., mines 100 lbs. 2.03 • —
bbls. mines .....100 lbs. 3.90 • —
refd., bgs., mines.....100 lbs. 4.40 • —
bbls., mines .....100 lbs. 5.55 • —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.85 • —
bbls., mines .....100 lbs. 4.10 • —
Sulfur dichloride, ret. dms., c.l., works, frt. equald...lb. .04½- —
ret. dms., l.c.l., same basis...lb. .05¼- —
tanks, same basis .....lb. .04 • —
Sulfur dioxide, liq., coml., cyls., works, frt. equald lb. .10 • .12
multi-unit cars, works.....lb. .0333- —
tanks, works .....lb. .045 • —
Refrigeration, 150-lb. cyls., dlvd. lb. .33 • —
Sulfur monochloride 55-gal. non-ret. dms., c.l., frt equald lb. .04½- —
dms., l.c.l., same basis.....lb. .05¼- —
tanks, same basis .....lb. .04 • —
Sulfuric acid, 60° Be, cbys., c.l., works 100 lbs. 2.00 • —
cbys., l.c.l., works.....100 lbs. 2.30 • —
tanks, works ton. 18.60 • —
66° Be, cbys., c.l., works..100 lbs. 2.25 • —
cbys., l.c.l., works .....100 lbs. 2.55 • 3.35
tanks, works .....ton. 22.35 • —
93%, tanks, works .....ton. 23.50 • —
99-100% tanks, works .....ton. 23.95 • —
CP, NF, consumers' cbys., c.l., frt. equald lb. .12¾- —
consumers' cbys., l.c.l., same basis lb. .14½- .14¾
5-pt. bots. extra, cs., c.l., works, frt. alld lb. .16¼- —
5-pt. bots. extra cs., l.c.l., same basis lb. .17¾- .18¼
Sulfuric acid, fuming (oleum), 20%, tanks, works ton. 25.00 • —
40%, tanks, works .....ton. 29.00 • —
65%, tanks, works .....ton. 39.50 • —
Sumac leaves, 28% tannin, bgs., ex dock ton. 205.00 Nom.
28% tannin, grd., bgs., ex dock ton. 200.00 Nom.
Superphosphate, run-of-pile under 22% a.p.a., pulv., bulk, c.l., Baltimore unit-ton. .90 • .93
bulk, c.l. Carteret, N. J. unit-ton. .90 • .93
Triple, 48% or more a.p.a., pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 • —
Sweet birch oil, USP, northern, ens. lb. 4.00 • 9.50
USP, southern, ens.....lb. 2.10 • 3.00

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2,4,5-T, dms., c.l., works, frt. equald. lb. 1.18 • —
dms., l.c.l., same basis .....lb. 1.25 • —
2,4,5-T isopropyl ester, dms., c.l., works, frt. equald .....lb. 1.24 • —
dms., l.c.l., works .....lb. 1.29 • —
Talc, dom., fibrous, New York, grd., bgs., c.l., works ton. 28.00 • —
bgs., l.c.l., works .....ton. 31.00 -36.00
Dom., fibrous, New York, 99.5%, 325 mesh, bgs. c.l. works, ton. 31.00 • —
bgs., l.c.l., works .....ton. 34.00 • —
99.95% micronized, bgs., works, ton. 38.00 • —
ord., Calif., grad., bgs., c.l., works ton. 34.00 -39.50
Vermont, off-color, grd., bgs., c.l., works ton. 19.40 • —
bgs., l.c.l., works ton. 37.00 • —
Imp., Canadian, grd., bgs., c.l., mines ton. 20.00 -45.00
Tall oil, crude, dms., c.l., works lb. .04¼- .04⅛
tanks, works .....lb. .02¾- .03
Dist., dms., c.l., works.....lb. .07¾- —
dms., l.c.l., works .....lb. .08 • .08⅛
tanks, works .....lb. .06 • .06½
Refd., dms., c.l., works.....lb. .06¾- —
dms., l.c.l., works.....lb. .07 • .07⅛
tanks, works .....lb. .05½- .06
Tall oil acids, gms., c.l., works lb. .10½- .12
dms., l.c.l.....lb. .11 • .12⅛
tanks, works.....lb. .08½- .10
Tall pitch, dms., c.l., works...ton. 50.00 -70.00
tanks, works .....ton. 40.00 • —
Tallow, edible, tanks, dlvd. ....lb. .11 • —
inedible, fancy, bleachable, tanks, dlvd lb. .08 • —
fancy, guaranteed, dms., f.a.s, lb. .09¼- —
No. 1, tanks, dlvd .....lb. .07½- —
prime, tanks, dlvd.....lb. .07¼- —
special, tanks, dlvd.....lb. .07½- —
sulfonated, 25%, bbls., l.c.l lb. .09¾- .09¼
50%, bbls., l.c.l. .....lb. .10 • .10½
Tallow acids, dist., dms.....lb. .13½- .16
tanks .....lb. .11 • —
Hydrogenated, dms. .....lb. .15½- .19
Tallow oil, acidless, dms., c.l....lb. .14½- —
dms., l.c.l. .....lb. .15½- .17
Tangerine oil, Floridian, dms....lb. 2.35 • 3.50
Tankage, animal, feeding, 9-11% ammonia, New York, bulk, unit-ton. 6.75 • —
Animal, feeding, 9-11% ammonia, Chicago, bulk..unit-ton. 7.25 • —
Tannic acid, NF fluffy bbls. 1,000-lb lots lb 2.05 • —
bbls., smaller lots lb 2.06 • 2.10
Powd., bbls., 1,000-lb. lots....lb. 1.95 • —
bbls., smaller lots .....lb. 1.96 • 2.01
Tech., dms. .....lb. 1.05 • —
Tansy oil, dms. .....lb. 7.50 • 9.50
Tapioca flour, Brazilian, bgs., ex whse lb. .10¼- .11½
Siamese, first quality same basis, lb. .07 • .07½
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .53½- —
dms., l.c.l., same basis .... gal. .55½- —
tanks, same basis .....gal. .43½- —
25-28%, dms., c.l., same basis gal. .60 • —
dms., l.c.l., same basis .... gal. .62 • —
tanks, same basis .....gal. .50 • —
50-53%, dms. c.l., same basis gal. .73 • —
dms., l.c.l., same basis..... gal. .77 • —
tanks, same basis .....gal. .63 • —
Tar, coal (see Coaltar).
Tartar emetic (see Antimony potassium tartrate).
Tartaric acid, dom., NF, 230 or 250-lb dms., c.l lb. .49 • —
230 or 250-lb. dms., 10,000-lb. lots, 1 shipt lb. .49½- —
Tartaric acid, dom., NF, 230 or 250 lb. dms., smaller lots..lb. .50 • —
100-lb. dms. .....lb. .51 • —
Imp., NF, bgs., dms., kgs....lb. .40 • .44
Terpine hydrate, NF, cryst., powd., 100-lb. fib. dms lb. .70 • —
Terpineol, extra, dms .....lb. .41 • .70
Prime, dms .....lb. .30 • .45
Terpinyl acetate, extra, cns., dms. lb. .64 • .75
Prime, dms. .....lb. .53 • .56
Terpinyl propionate, dms. ..... lb. 1.75 3.00
Terra alba (see Gypsum).
Testosterone, USP, bots..... gram. No prices
Testosterone proprionate, USP gram. No prices
Tetrachloroethane, dms., works lb. .14½ —
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Tetrachloroethylene, tech. (see Perchloroethylene).
Tetrachloroethylene USP, 55-gal. dms. c.l. t.l. works lb. .20½- —
dms., l.c.l. works ..... lb. .22 • .23½
Tetraethyl orthosilicate dms., c.l., dlvd. E lb. .60 • —
dms., l.c.l., dlvd. E .....lb. .61 • —
Tetraethyl pyrophosphate, 40%, cns. dms. frt equald lb. 75 • —
Tetraethylenepentamine dms., c.l., dlvd. E lb. .53½- —
dms., l.c.l., dlvd. E .....lb. .54½- —
tanks, dlvd. E .....lb. .51 • —
Tetrahydrofuran, dms. c.l., t.l., works lb. .36½- —
dms., l.c.l., or t.t.l., works .... lb. .37 • —
tanks, works .....lb. .35 • —
Tetrahydrofurfuryl alcohol, dms., c.l. t.l., Memphis, Tenn. lb. .34½- —
dms. l.c.l. t.t.l. Memphis Tenn. lb. 35½- —
dms. c.l., t.l., Newark, N. J lb. 36½- —
dms., l.c.l., t.t.l., Newark, N. J. lb. .37½- —
tanks, dlvd E. at Denver .... lb .34 • —
tanks, dlvd W. at Denver .... lb .35 • —
Tetrapotassium phosphate (see potassium phosphate)
Thallium metal, dlvd. ..... lb 7.50 10.00
Thallium sulfate 99% bots., dlvd. lb. 5.00 10.00
Theobromine, NF, fib dms lb 4.50 —
Theobromine and sodium acetate, USP, fib dms lb 4.75 • —
Theobromine sodio-salicylate, NF, fib dms lb 3.90 • —
Theophylline anhyd. or USP, 100-lb dms lb 3.65 • —
Thiamin hydrochloride, USP, reg., fib dms kilo. 40.00 • —
USP ampule grade fib dms kilo. 42.00 • —
Thiamin mononitrate, USP, fib, dms kilo. 40.00 • —
Thiocarbanilide, dms., ton lots lb .72 • —
dms., less ton lots .....lb .74 • —
Thiodiphenylamine (see Phenothiazine).
Thioflavin green toner, brilliant, molybdated, PMA kgs., works lb. 5.20 • —
Tungstated, PTMA kgs, works, lb. 6.20 • —

What Blockson Service Means

In Texas, New England, beyond the Rockies... you'll find Blockson customers within a stone's throw from some local phosphate source. Ask any of them why they favor Blockson and you get pretty much the same answer.

"Blockson ships us the phosphates when we want them."

A typical phone call to Blockson shows you what they mean:

An East Coast buyer phones collect to order a mixed car of phosphates, and includes Sodium Silicofluoride and Sodium Fluoride in the car.

"How soon can I get that car?"

"Hold the phone...We'll move the car for you tomorrow — usual routing. We'll wire the car number and trace it... You can look for it Thursday."

This is ordinary routine at Blockson, but it is extraordinary in two important particulars.

FIRST: *At our end, the entire sales, service and traffic operation was handled on the buyer's first and only phone call. There was no cross correspondence, no branch-to-home-office time lag.*

SECOND: *The buyer talked only to one man. This man has the job of taking the red tape out of sales, service and shipping.*

Incidentally, if the buyer had phoned to change, add to, or re-route his order, he would get the same spot service.

Such routine promptness in speeding your chemicals to you is almost without parallel in a company that does so large a volume as Blockson. That's because we use organization to clear the decks instead of cluttering them.

We can put this organization to work for you. Try us.

BLOCKSON IS A MAJOR PRODUCER OF:

- Sodium Tripolyphosphate
- Tetrasodium Pyrophosphate
- Trisodium Phosphate Crystalline • Monohydrate
- Trisodium Phosphate Chlorinated
- Disodium Phosphate Crystalline • Anhydrous
- Monosodium Phosphate Anhydrous • Monohydrate
- Sodium Polyphos*
- Sodium Acid Pyrophosphate
- Tetrapotassium Pyrophosphate
- Sodium Fluoride
- Sodium Silicofluoride
- Hygrade Fertilizer
- C-29 Sequestering Agent
- Teox 120 (Nonionic Surfactant)
- Hydrofluoric Acid
- Sulfuric Acid

*Sodium Hexametaphosphate—Sodium Tetraphosphate

OLIN MATHIESON CHEMICAL CORPORATION — BLOCKSON

BLOCKSON CHEMICAL COMPANY • Joliet, Ill.
Division of Olin Mathieson Chemical Corporation

WAREHOUSE STOCKS AT ALL BLOCKSON DISTRIBUTORS

Thioglycolic Acid—Ultramarine Blue

Thioglycolic acid refd. cbys., 100% basis lb 1.35 - 1.55
Thiosalicylic acid, purif. dms., 1,000-lb lots, works lb 4.00 - —
Thiourea tech. bgs. t.l. frt. alld. lb. .30 - —
bgs., ton lots, same basis lb. .32 - —
bgs., less than ton lots, same basis, lb. .33 - —
Thorium nitrate, purif. fib dms., 100-lb lots or more, works lb 3.50 - —
dl-Threonine, bots., 1-kilo lots.kilo.275.00 - —
Thyme leaves, French, bgs lb. .34 - —
Spanish, bgs lb. 14 - —
Thyme oil, NF, red, cns., dms lb. 2.00 - 2.25
white, cns. lb. 2.20 - 2.60
Tech. white cns lb 40 1.85
Thymol fib dms lb 2.60 3.00
Thymol iodide NF dms lb 7.30 - —
Timbo root (see Cube root).
Tin chloride (see Stannous chloride anhyd.)
Tin crystals (see Stannous chloride, hydrous)
Tin metal (Straits) lb. .90½- —
Tin oxide (see Stannic oxide).
Tin sulfate (see Stannous sulfate)
Tin tetrachloride anhyd. (see Stannic chloride anhyd.)
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .25½- —
bgs., l.c.l., dlvd lb. .26½- —
reg., bgs., c.l., dlvd lb. .25½- —
bgs., l.c.l., dlvd lb. .26½- —

Titanium dioxide, anatase, metallurgical, nat., bgs., c.l., f.o.b. Jacksonville, Fla. ton.180.00 - —
5-ton lots, Niagara Falls, N.Y. ton.205.00 - —
bgs. ton lots, same basis. ton.215.00 - —
Milled metallurgical titanium dioxide $7.50 per ton higher
Titanium dioxide, rutile, nonchalking, bgs., c.l., dlvd, E lb. .27½- —
bgs., l.c.l., dlvd E lb. 28½- —
Titanium dioxide-calcium pigment, 30% Ti O_2, reg. bgs., c.l., dlvd lb. .09¾- —
bgs., l.c.l., works lb. .09¾- —
50% Ti O_2, high-tinting, dms., c.l., lb. .14¾- —
dms., l.c.l. lb. .14¾- —
Titanium hydride, powd., dms., works lb. 8.10 - 9.00
Titanium tetrachloride, tech., dms., c.l., works lb. .26 - —
dms., l.c.l., works lb. .27½- .29
tanks, works lb. .20 - —
Tobias acid, bbls., l.c.l lb. .81 - —
d-a Tocopherols mixed NF, conc pure basis bots kilo.91.00 - —
dl-a Tocopherol, bots kilo 134.20 - —
d-a-Tocopheryl acetate NF conc., pure basis, bots kilo.165.00 - —
d-a-Tocopheryl acid succinate, cryst. bots kilo 148.00 - —

dl-a-Tocopheryl acetate, bots kilo 122.00 - —
25% dry, powd., bots kilo.30.50 -32.00
33⅓% dry powd., bots kilo.40.65 -42.50
o-Tolidine base, dry, kgs., 100% basis lb. 1.50 - —
Paste, kgs., 100% basis lb. 1.45 - —

Toluol

Toluol quotations, both coaltar and petroleum, may be found under Toluene.

o-Tolidine hydrochloride, paste, kgs., 100% basis lb. 1.45 - —
Tolu balsam cns. lb. 3.10 - 4.35
Toluene coaltar, indust. or nitration, tanks, dlvd. E. of Rockies gal. .25 - —
Toluene, petroleum, indust., tanks, E. of Rockies gal. .25 - .32
p-Toluenesulfonamide, powd., dms., works lb. .70 - —
p-Toluenesulfonic acid, dms., c.l., t.l. works lb. .17 - —
dms., l.c.l., works lb. .18 - —
p-Toluenesulfonic acid, monohydrate, dms., c.l. or t.l lb. .90 - —
dms. 125 lbs to t.l lb. 1.00 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
dms., l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .27 - —
dms., l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —

The lighter side of automotive finishes . . . colorwise, that is . . . is accomplished through the use of TITANOX*-RA-50 and TITANOX-RA-NC. These are the rutile titanium dioxide pigments with unsurpassed whitening, brightening and hiding power, as well as high resistance to fading-chalking, for white or pastel finishes.

Reflecting their pigmentary properties, these TITANOX products will brighten your processing procedures, too, with their ease of dispersion and uniformity of tint undertone. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; offices and warehouses in principal cities.

5720

TITANIUM PIGMENT CORPORATION

Subsidiary of NATIONAL LEAD COMPANY

*TITANOX is a registered trademark for the full line of titanium pigments offered by Titanium Pigment Corporation.

p-Toluidine, flake, dms., frt. alld lb. .54 - —
Solid, dms., frt. alld lb. .50 - —
p-Toluidine-m-sulfonic acid, bbls., works lb. .92 - 1.04
Toluidine red toner, deep shades, kgs., works lb 1.70 - —
Light shades, kgs. works lb 1.70 - —
2,4-Tolylenediamine, cryst., fib. dms., l.c.l., frt. alld lb. 1.10 - —
Tonka beans, Angostura cks lb No prices.
Brazilian, Surinam cs lb 1.35 —
Totaquine 100-oz lots, cns oz. .42 —
Toxaphene dms. c.l. t.l., works lb. .22 - —
dms. l.c.l. t.l. works lb .23 - —
Tragacanth gum, No 1, ribbons, cs lb. 3.50 - 4.50
No 2, cs lb 3.40 —
No. 3, cs lb. 3.00 - 3.10
USP powd., bbls. lb 1.25 1.38
Triacetin dms. c.l. divd. E. or Rockies lb. .39 - —
dms., l.c.l. same basis lb .40 - —
tanks, same basis lb .37 - —
Triallylamine, dms., c.l. divd lb. .985 - —
dms., l.c.l., divd lb. .995 - —
tanks, divd lb. .96 - —
Tributyl citrate, tech., non-ret. dms., c.l. frt alld E of Denver lb. .42½- —
non-ret. dms., l.c.l., frt. alld, E. of Denver lb. .43¼- —
tanks, frt alld E of Denver lb. .40 —
Tributyl phosphate dms. c.l. works lb. .52½- —
dms., l.c.l., same basis lb. .53½- —
tanks, same basis lb. .50 —
Tributylamine, dms., c.l., works lb. .67½- —
dms., l.c.l., same basis lb. .68½- —
tanks, same basis lb. .65 - —
Trichloroacetic acid, bots lb. 2.00 2.50
Trichlorobenzene, dms c.l., frt. alld. E lb. .15 - —
dms., l.c.l. frt. alld E lb. .16 - —
tanks, frt alld E lb. .13¼- —
Trichlorobenzene prices in the West 1¾c higher.
1,1,1-Trichloroethane, dms., c.l., divd lb. .13¾- —
dms., l.c.l., divd. lb. .16¾- —
tanks, divd. lb. .12¾- —
1,1,2-Trichloroethane, dms., c.l., works lb. .13½- —
dms., l.c.l. divd. E. lb. .14¼- —
tanks, works lb. .11½- —
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .13 - —
dms., l.c.l., frt. alld lb. .15 - .16¾
tanks, works, frt equald lb 12 - —
Trichlorophenoxyacetic acid (see 2,4,5-T).
Tricholine citrate 85% soln ret. cbys. works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., divd lb. .35 - —
dms. l.c.l. divd. lb. .36 - —
tanks divd lb. .32½- —
Petroleum, dms., c.l., divd lb. .34½- —
dms., l.c.l., divd lb. .35½- —
tanks, divd lb. .32½- —
Tridecyl alcohol, mixed isomers, dms., divd. lb. .26½- —
dms., l.c.l., divd lb. .27½- —
Triethanolamine, dms., c.l., divd, E lb. .24½- —
dms., l.c.l. same basis lb. .25½- —
tanks, same basis lb. .22 - —
Triethanolamine lauryl sulfate, dms., c.l., t.l., frt. alld lb. .24 - —
dms., l.c.l., frt. alld lb. .25 - —
tanks, frt. alld lb. .23 - —
Triethylamine, dms., c.l., works, divd. E lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. .47½- —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld E. of Denver lb. .46¼- —
non-ret. dms., l.c.l. frt. alld. E. of Denver lb. .47¼- —
tanks, frt. alld. E of Denver lb. .43¾- —
Triethyl phosphate, dms., c.l., divd. lb. .40½- —
dms., l.c.l., divd. lb. .41½- —
tanks, divd lb. .38 - —
Triethylene glycol, dms., c.l., divd, E lb. .21 - —
dms., l.c.l., divd. E. lb. .22 - —
tanks, same basis lb. .18½- —
Triethylenetetramine, dms., c.l., divd. E lb. .51½- —
dms., l.c.l., divd. E. lb. .52½- —
tanks, divd E. lb. .49 - —
Tri-isopropanolamine, dms., c.l., divd. E lb. .23¼- —
dms., l.c.l., divd. E. lb. .24¼- —
tanks, divd. E. lb. .20¾- —
Trimethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb. .30 - .308
tanks, same basis lb. .26 - —
25-40% soln., dms., c.l., works, frt. equald, 100% basis lb. .35 - —
dms., l.c.l., works, frt. equald., 100% basis lb. .35½- —
tanks, works, frt. equald, 100% basis lb. .26 - —
Trioxane, pure, dms. c.l. t.l., works, lb. .50 - —
dms., l.c.l. works lb. .51½- —
Tripentaerythritol, c.l., t.l., divd. E. lb. .38 - —
bgs., l.c.l., l.t.l., divd. E. lb. .39 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .41½- —
bbls., l.c.l., frt. equald lb. .43½- —
Triphenylguanidine, bbls., works lb. .90 - —
tanks, same basis lb. .18½- —
Tripropylene glycol, dms., c.l., t.l., frt. alld. E lb. .21 - —
dms., l.c.l., l.t.l., frt. alld E lb. .22 - —
Tripropylene glycol, tankcars and compartmented tankcars, frt. alld. E lb. .18½- —
tankwagons and compartmented tankwagons, 1,000 gals. min. frt. alld E lb. .19 - —
Tripropylene glycol prices 1c. per lb. higher in West.
Trisodium phosphate (see Sodium phosphate tribasic).
dl-Tryptophane, fib. dms., works. lb.55.00 - —
Tung oil, dms., c.l., New York lb. .22½- —
dms., l.c.l., New York lb. .22¾- .23¼
tanks, New York lb. .21 - —
tanks, domestic mills lb. .21¼ Nom.
Tungsten metal, powd., 2.0-2.5 microns, dms., works lb. 3.73 - —
Tungstic acid, tech. dms., 1,000-lb. lots, works lb. 2.15 Nom.
dms., smaller lots, works lb. 2.30 Nom.
Turkey red bbls. works lb. .62 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Turpentine oil, NF, cns., dms lb. .28 - .50
Tyrothricin, USP, bots. gram. .55 - .66
Tuscan red, bbls., frt. equald lb. .26 - .33

U

Ultramarine blue, cobalt type, dry or pulp, 250-lb. bbls., dlvd. E. of Rockies lb. .33 - .39¼
Ultramarine blue, jobbing types, bbls., same basis lb. .19 - —
Regular types, dry bbls., same basis lb. .22½- .25
Ultramarine blue prices 1c. higher W. of Rockies.

Umber pigment, burnt, American, bgs., c.l., works lb. .07½- .07¾
bgs., l.c.l., works lb. .07¾- .08
Burnt, Turkey-type, ogs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .08¼- —
Raw, American, bgs. works lb. .07¾- .08¼
Turkey-type, bgs., works lb. .08½- .08¾
Undecylenic acid, dms lb. 1.45 • —
Unicorn root, false (see Helonias root).
Unicorn root, true (see Aletris root).
Urea 46% N indust. bgs., c.l. t.l. dlvd E ton.125.00 • —
bgs. l.c.l. dlvd E. ex whse. ton.145.00 • —
45% N. agricultural, bgs., c.l. (20 tons) dlvd E ton.110.00 • —
Urea-ammonia liquor A and B grades N basis, tanks Belle W Va ton 126.00 • —
C grade, tanks, same basis ton 124.50 • —
37 grade, tanks same basis ton.153.00 • —
Urethane USP dms t.l. f.o.b. works lb 65 • —
dms., l.t.l., same basis lb. .70 • —
Uva-ursi leaves, bls lb. .17 • .19

V

Valerian root, Belgian, bgs lb 35 • —
Indian bgs lb 29 • —
dl Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs. ex dock ton.88.00 -90.00
Valonia cups, 28-30% tannin bgs. ex dock ton.66.00 -67.00
Valonia extract powd. 63% tannin, bgs. ex dock lb. .11 • —
Vanadium pentoxide tech. dms., works lb 1.28 • 1.33
Vandyke brown bbls works lb 08½ 12
Vanilla beans, Bourbon, tins lb.10.60 -10.80
Mexican, cuts, tins lb.10.60 -10.80
whole, tins lb.10.50 -10.70
Tahiti, cs. lb. 6.10 • 8.25
Vanillin, ex lignin, 100-lb. fib. dms., 1,000-lb. lots or more lb. 3.00 • —
100-lb. fib. dms., 500-lb. lots lb. 3.10 • —
100-lb. fib. dms., 100-lb. lots lb. 3.25 • —
Venetian red jobbing, bgs., works. lb. .0475- —
20%, bgs., works lb. .0525- —
25%, bgs., works lb. .0575- —
30%, bgs., works lb. .06 • —
35%, bgs., works lb. 0625- —
40%, bgs. works lb 0675- —
Vetiver oil, Bourbon, cns lb. 11.25 -15.50
Haitian, cs. lb.10.50 -12.50
Java, cns lb.11.75 -12.25
Victoria blue toner, molybdated, PMA, 250-lb bbls., dlvd. E. of Rockies lb. 4.50 • —
Victoria blue toner bbls. prices 1c. higher W. of Rockies.
Vinyl acetate monomer, zone 1, 55-gal. dms., c.l., dlvd lb .20 • —
55-gal dms., l.c.l., dlvd lb. .21 • —
tanks, dlvd lb. .17½- —
tanktrucks less than 4,000 gal., dlvd lb. .18 • —
Zone 2, 55-gal. dms., c.l., dlvd lb. .21 • —
55-gal dms., l.c.l., dlvd lb. .24 • —
tanks, dlvd lb. .18½- —
tanktrucks less than 4,000 gals., dlvd lb. .19 • —
Zone 1 is all continental U. S. except Zone 2. Zone 2 comprises Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Vinyl n-butyl ether, tech., dms., l.c.l., works lb. .50 • —
Vinyl chloride monomer, tanks, works lb. .11 • .125
Vinyl ether, tech. dms. c.l., works. lb. .26 • —
dms., l.c.l., works lb. .28 • —
tanks, works lb. .25 • —
Vinyl ether, USP, anesthesia, bots., 50cc. hospitals bot. 1.12 • —
USP, anesthesia bots. 75cc. hospitals bot. 1.56 • —
Vinyl ethyl ether, tech., dms., c.l., works lb. .29¼- —
dms., l.c.l., works lb. .30 • —
tanks, works lb. .27½- —
Vinyl methyl ether cyls. works lb. .30 • —
Cylinders are sold outright, or if shipped against deposit, a free period of sixty days is allowed; and if empties are returned prepaid and in good condition within that period full refund is made.
Vinyl propionate, monomer dms., c.l., dlvd lb. .49½- —
dms., l.c.l., same basis lb. .50½- —
tanks, same basis lb. .47 • —
Vinyl trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms to tanks, works lb. 1.30 • —
1 to 9 dms., works lb. 1.45 • —
tanks, works lb. 1.25 • —
Vinyltoluene, dms., c.l., f.o.b., works. lb. .16 • —
dms., l.c.l., same basis lb. .18 • —
tanks, same basis lb. .13½- —
Viosterol, in nat. vegetable oil, 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units. .02½- —
Virginia type red, bbls., works lb. 1.40 • —
Vitamin A acetate, syn., cryst., beads, 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram, kilo lots kilo.67.50 • —
325,000 units per gram, same basis kilo.43.88 • —
250,000 units per gram, same basis kilo.33.75 • —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
Vitamin A, liq. in oil, 1,000,000 A units per gram 1,000,000 units. .10 • —
Vitamin A, palmitate, liq. 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 • —
Liq. in oil, 1,000,000 A units per gram 1,000,000 units. .10 • —
Vitamin B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin and Yeast).
Vitamin B_{12}, cryst., 1-50 grams, vials, tins gram.190.00 • —
Oral grade solids, in containers of 1 and 10 grams of B_{12} activity. gram.100.00 • —
0.1 percent triturations of cryst. B_{12} with dicalcium phosphate or mannitol, 1-10 kilo.210.00 • —
Vitamin C (see Ascorbic acid).
Vitamin D (see Codliver and Fish-liver oils, Calciferol and Viosterol).
Vitamin D_2, dry, 850,000 units per gram, kilo lots kilo.42.50 • —
850,000 units per gram, less than kilo lots kilo.45.00 • —
Vitamin E (see a-Tocopherol and Wheat germ oil)
Vitamin G (see Riboflavin).
Vitamin H (see Biotin)
Vitamin K, active (see Menadione).
Vitamin K_1, 25 gram bots gram. 4.00 • —
Violet methyl toner (see Methyl violet toner).
VM&P naphtha (see Naphtha, VM&P, petroleum).

W

Wahoo root, bark, bls lb. 2.10 • —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.95 • —
dms., 25-49-lb. lots, New York or Chicago lb. 2.05 • —
Warfarin, 0.5%, cns., 5-24-lb. lots New York or Chicago lb. 2.15 • —
Watchung-type reds, bbls lb 1.95 • —
Wattle bark, fair average, African, bls, ex dock ton.68.00 • —
Merchantable, bls., ex dock ton.64.00 • —
Wattle extract, liq., 35% tannin, bbls. lb. .08¼- .08½
Solid, East Africa, 60% tannin, bgs., ex dock lb. .06275- —
South Africa, 60% tannin, bgs., ex dock—lb. .0640- —

Waxes

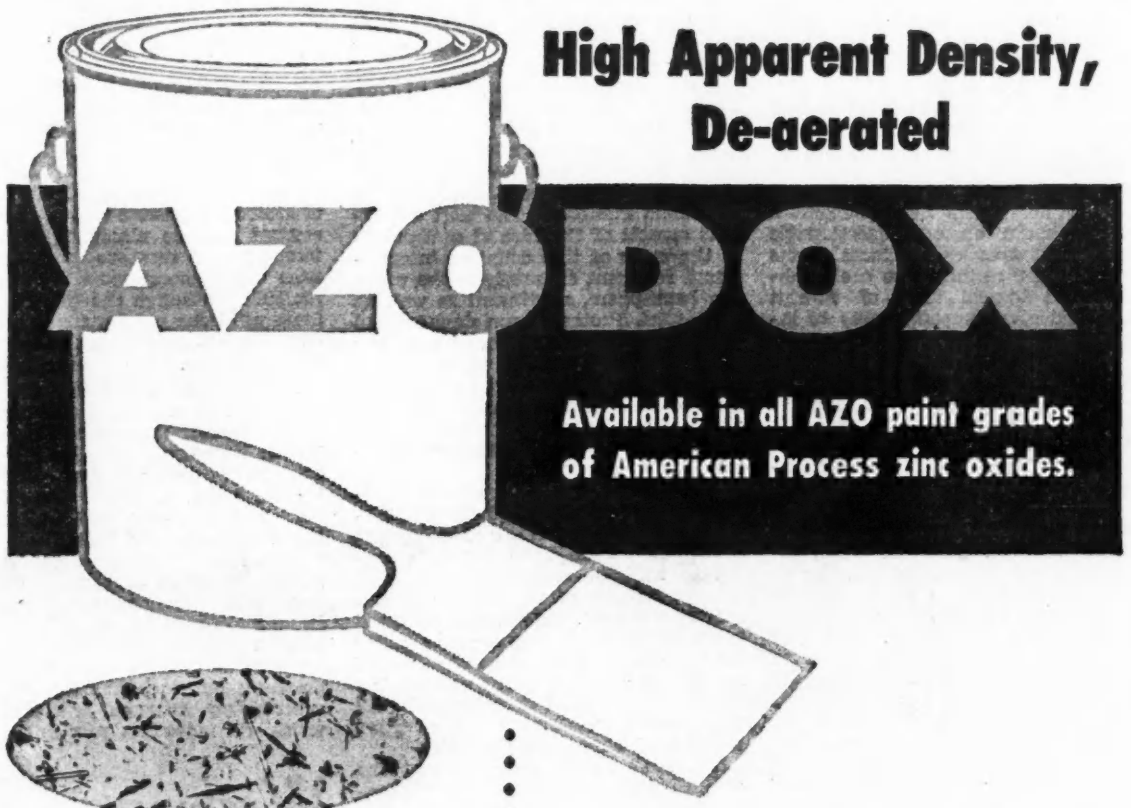
Wax quotations are listed individually. For example, prices on Wax, carnauba, may be found in the C's under Carnauba wax.

Wheat germ oil, 5-gal. dms gal.12.23 • —
Wheat starch (see Starch, wheat).
White lead (see Lead, white).
White mineral oil (see Mineral oil, white).
White pine bark, rossed, bls lb. .18 • .19
White precipitate, USP powd., dms., lb. 6.55 • —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, mat., bls lb. .18 • —
Thin, rossed, bls lb. .21 • —
Wintergreen oil, USP, nat., northern, cns lb. 6.36 -17.50
USP, nat., southern, cns lb. 3.75 • 7.00
Wintergreen oil, syn. (see Methyl salicylate).
Witch hazel bark, bls lb. .16 • .17
Witch hazel leaves, bls lb. .23 • —
Wollastonite, fine, bgs., c.l., works. ton.39.50 • —
bgs., l.c.l., ex whse ton.56.00 • —
Medium, bgs. c.l., works ton.27.00 • —
bgs., l.c.l., ex whse ton.44.00 • —
Wood alcohol (see Methanol).
Wood oil (see Tung oil).
Woolfat, crude (see Degras).
Woolfat, USP (see Lanolin).
Wormseed, Levant, bgs lb. 4.25 • 4.50
Wormseed oil (see Chenopodium oil, NF).
Wormwood oil, cns lb. 4.90 • 5.85

X

Xylene, coaltar, indust., tanks, works:
Bethlehem, Pa. gal. .29 • —
Birmingham dist. gal. .29 • —
Chicago dist. gal. .29 • —
Cleveland dist. gal. .29 • —
Geneva, Utah gal. .29 • —
Johnstown, Pa. gal. .29 • —
Lackawanna, N. Y. gal. .29½- —
Lone Star, Tex. gal. .27 • —
Xylene, coaltar, indust., tanks, works:
Lorain, Ohio gal. .29 • —
Middletown, Ohio gal. .30 • —
Philadelphia dist. gal. .29 • —
Pittsburgh dist. gal. .29 • —
Sparrows Point, Md. gal. .29 • —
Terre Haute, Ind. gal. .29 • —
Youngstown, Ohio gal. .29 • —
Xylene, petroleum indust., tanks f.o.b. works:
Bayonne, N. J. gal. .29 • —
Baytown, Tex gal. .27 • —
Charleston, S. C. gal. .29 • —
Chicago, Ill. gal. .30 • —
Houston, Tex. gal. .27 • —
Philadelphia, Pa. gal. .29 • —
Providence, R. I. gal. .30 • —
Sewell's Point, Va. gal. .28 • —
Wood River, Ill. gal. .29 • —
Xylenol, crvst., 45°-47° C., m.p., dms., l.c.l., works lb. .23 • —
56°-58°C. m.p., dms., l.c.l., works, frt. equald lb. .33 • —
60°-62°C., m.p. dms., l.c.l., same basis lb. .40 • —
Xylenol fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis gal. 1.25 • —
dms., l.c.l. same basis gal. 1.30 • —
tanks, same basis gal. 1.05 • —
b.r. 7-9°C., dry at or below 227°C., dms., c.l., same basis gal. 1.35 • —
dms., l.c.l. same basis gal. 1.40 • —
tanks, same basis gal. 1.15 • —

—Continued on page 63



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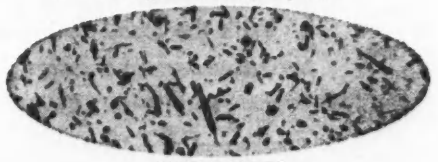
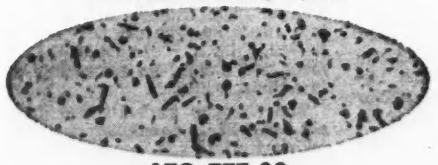


AZO ZZZ-11
for medium consistency in paints



AZO ZZZ-33
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Control of Petroleum Imports

The thirty-day period set by the administrator for comment on the government's newly proposed experimenting in the limiting of imports of petroleum for some reason or other is not yet half passed. But, it is already quite apparent that the official desire "to see if there are some inherent bugs that would make it impractical" is going to produce a most voluminous demand for bug-killing.

Comment on the new scheme has already come from several major members of the domestic industry, not all of whom are in agreement. One of them has declared: "We are astounded that the government should suggest a program based on such questionable principles. It drastically reduces quotas for east coast refiners who are established and logical users of foreign crude, and gives import quotas to inland refiners who do not have facilities to use foreign oil or intentions of so doing. Most inland refiners will merely sell their quotas back to the seaboard plants resulting in unearned profits."

But, in the expressed opinion of the president of the largest inland refining corporation, who certainly cannot be assumed to be influenced by any possibility of "unearned profits," the proposed new allocation system is preferable to the present system as it insures use of foreign crude in a direct relationship with domestic oils by the entire refining industry. In his opinion, the new proposals mark "a tremendous advance in restoring equity among all refiners and insuring stable progress for the domestic industry."

That view is not shared by the president of another major refiner, who declared that "it is unthinkable that such a plan should be imposed." While expressing confidence that there would be "modifications recognizing individual company circumstances," he declared that, if such changes were not made, his company "would have no choice but to terminate its heretofore complete compliance with the voluntary program in effect during the last year."

There is a feeling in various interested circles that the proposed revision of the import-quota system got some impulse from the expression about a month earlier by the Independent Petroleum Association of America of an intention to seek restrictions on imports. About a week later, the National Coal Committee said it would take early action to seek curbs on imports of residual fuel oil under the provision of the new reciprocal trade law which directs the government to control imports of "products which threaten to impair the national security." Security has become a nationally popular fetish in this country. The contributions of the coal industry to it are not impaired in the providing of a fuel that imposes fewer burdens in the handling of soot and ashes. The next yowling will come from the oil industry over the announced interest of the US air force in the replacing of lubricating oil with polyphenyl ethers which hold up under nuclear radiation and a wide range of temperature—also the pushing of castor oil as a far better lubricant for the axles of motor vehicles.

The import-control schemers are going to get a lot of opposing comment from various sources other than the petroleum industry. The most important aspects of the idea of control are in the areas of this country's international relations, especially in the western hemisphere, northward as well as southward. Protests from Canada and Venezuela are certainties—the lifting of the curb on Canadian oil was urged almost two months ago by one of the members of the lower house of congress who had made a study of relations with Canada for the foreign affairs committee.

It should require no special experience with the problems of foreign relations to know that this country should be seriously thoughtful about its economic attitude toward Canada and Venezuela, both of which need foreign markets for oil. And both also need trade-aid. There may be some relief for them in the natural endeavors of Britain to get safeguards against the possible curtailment of its supply of oil from the Near East. But, what good would that do for this country?

The more serious aspect is that the curtailing of the market in this country for Venezuelan oil would open wide a door for Russia in its increasingly vigorous efforts to get a foothold and then a stranglehold in trade-aiding with the nations of Latin America. Northward, there could quite readily be seriously consequential pushing of Canada into the trade relations with red China which are steadily growing in popularity there.

If government must do some nationalizing of the petroleum industry, it should have full knowledge of what could and no doubt would be the consequences of such a move. It could quite logically force members of the industry, at least those which have investments in the oil resources of other countries, to supplement or complement those investments with the moving of some of their refining operations to those countries. The lower costs of operation there would be of advantage to them in marketing in the rest of the world.

Should There Be Foursomes?

Serious suggestions were made a few weeks ago that a fourth branch be added to two of the structures of the federal government. One, by a nationally prominent industrial leader, proposed that the executive, legislative, and judicial branches of the basic structure be supplemented with one on plans and policies, the function of which would be to "formulate our long-range objectives, policies, programs, and strategy as related to the needs of the nation." The members of the proposed fourth branch would be named for extended terms as now are the members of the supreme court, selected from top-ranking leaders in education, science, business, defense, and labor.

The idea is a very good one in purpose. Its application to practicable functioning requires serious and capable study. And that might wisely be undertaken by the national organizations of the callings from which the proposer would have the membership of the group selected. That study would well include consideration of the potentialities of converting the President's cabinet into the fourth branch of government. It has much of the proposed functioning. There certainly is room and reason for the development of a nationally purposed cooperative functioning of that group as a planning unit. Its conversion would have to be started by taking it away from the results of presidential elections and giving its members longer terms. It has resources in personnel and records which would be necessary and most helpful in any functioning such as has been proposed for the fourth branch of government.

The other suggestion for a fourth branch came from the president of the American Chemical Society. He proposed that a research and development division be set up in the federal defense structure on a par with the army, the navy, and the air force, declaring that qualified members of those units had practically no chance of making proper use of their abilities or getting adequate recognition of them.

This also is a good idea. There is need for extension and especially coordination of the research and development potentialities and operations which are steadily becoming more and more essential in the general area of defense. But, the interforce jealousy that now causes conflicts, confusion, and unnecessary expense in the Department of Defense would be an almost insurmountable obstacle to the operative functioning of a coordinating unit.

The two suggestions of foursomes in government deserve full public and political discussion and evaluation. It would be helpful in various directions if the President, with the approval of the congress, would appoint a study group for that task. Along with it might well go the creation, as requested by a leader of organized labor, of a permanent committee to advise on economic problems. There is more than a little need that the federal government be given some modernization treatment in structure and functioning.

Looking Economically at Lower Asia

The eighteen-nation consultative committee of the Colombo Plan for Cooperative Economic Development in South and Southeast Asia will hold its tenth meeting in Seattle, Washington, October 20 to November 14. It is not known to what extent, if any, there will be participation by representatives of business. Because all but two of the sessions will be closed, it cannot be foretold what measure of information from the deliberations will be publicly available; although the Department of State will issue press cards to accredited representatives of US and other news services whose names have been furnished to it in writing by October 3.

The United States is a member of the Colombo plan; so are Canada and the United Kingdom. The eastern members are Australia, Burma, Cambodia, Ceylon, India, Indonesia, Japan, Laos, Malaya, Nepal, New Zealand, Pakistan, the Philippines, and Viet Nam.

There is no integrated master plan for the Colombo cooperative effort to develop the economies and raise the living standards of the people in the Eastern member countries; each country carries out its own development program; but each has the benefit of consultation through the committee which will meet this year in Seattle.

United States business, in recognition of the trade potentialities of the whole of lower Asia—and of the Soviet interest therein, should make a strenuous effort to get something useful out of the Seattle conference. It should earnestly endeavor to learn who will be the representatives of this country there and to confer with them in advance of the meeting for a thorough discussion of whatever may and should be of interest in connection with trade, financial, and technical relations with the fifteen eastern member countries.

It would be wise for business—and government—to get full and accurate knowledge of the respective demonstrated and potential values of the Colombo plan and the Southeast Asia Treaty Organization, which has but three eastern and five western members. There is a feeling that SEATO is all out of balance and must take on a more directly economic role. There is reason for a great deal of argument that SEATO be pushed out of the international picture and its Eastern members be enrolled in the Colombo plan. As in all matters of interrelations in the east, that move could not be expected to be in any respect a simple or an easy one. But, it could do much good.

Washington Talks It Over

Government Buying Policy Is Undergoing a Big Shakeup, With the Small Businessman Slated to Come Out on Top.

By Ralph L. Cherry
Chief, OPD Washington Bureau

Procurement procedures of the government are headed for some significant revisions and improvements growing out of legislation passed by congress last session. The changes are now being put into effect by General Services Administration, chief buying agency of the government, and should be completely operative in a short while.

The changes basically are designed to aid small firms supplying the government with materials and services, but they also have widespread effect. For example, the more flexible procedures which have been used by the Department of Defense and GSA under their respective procurement laws, are now being extended to all civilian agencies to provide a basis for more uniform procurement procedures.

Under the new law "open market" purchases, which up to now have been limited to $500 or $1,000 depending upon the particular government agencies involved, are raised to $2,500 for all agencies. The matter of making advance and progress payments also is being changed. For one thing, advance payments may now be made in advertised contracts and may be authorized at the operating level as distinguished from the present requirement for "Secretarial" level approval.

Also, both advance and progress payments may, as circumstances warrant, be limited to small business concerns. While the latter feature had been authorized with respect to negotiated contracts, it could not be done under advertised contracts.

Paint Conversion Incomplete

The Post Office Department hasn't yet finished the task of converting the color scheme for its mail trucks from the old olive drab to the more colorful red, white and blue. About 77 percent of the fleet has been painted in the new scheme but the job won't be complete for another twenty months.

This means that the department will continue to be in the market for considerable quantities of the necessary paints for some time to come. Officials are highly pleased with the new colors for it has been found that they cost less than the former khaki-colored, gold and black combination, and also they tend to prevent accidents by increasing the visibility of the vehicles.

To meet the growing demands being made on the postal system, the size of the fleet is being increased to about 36,000 vehicles during the current fiscal year. It now numbers about 30,500 cars and trucks.

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Heavy Chemicals

Aluminum chloride solution and iron-free aluminum sulfate went higher last week, as a producer raised prices on spot. It is conceded that not much material is sold on spot, and that the real increase for the bulk of customers will come October 1. The spectre of a widespread automobile strike continues to cast a pall over chemical markets. However, settlement of terms by one auto producer last week dispelled some of the pessimism. Lead metal was stronger, and rose fractionally.

Soviet Union last week succeeded in pressuring the International Tin Council out of the market. Hence, floor prices collapsed and tin plummeted.

Mineral acid business was characterized by lively demand from a good many end-uses. Unfortunately, at least to some observers, competition in the New York-Philadelphia area was just as lively as demand, particularly for sulfuric acid. However, this situation is nothing new.

Stainless steel inquiry is beginning to pick up after a long slow period. This is a good omen for hydrofluoric and nitric acids. Carbon steel output was expected to reach its top level for the year last week.

Price Trends

Advanced

Aluminum chloride, soln., 32°, 50c. per cwt.
Aluminum sulfate, iron-free, 25c. per cwt.
Lead, ¼c. per lb.

Reduced

Potassium stannate, 1.8c. per lb.
Sodium stannate, 1.9c. per lb.
Stannic chloride, 1.9c. per lb.
Stannous chloride, anhyd., 2.5c. per lb.
Hydrous, cryst., 2c. per lb.
Stannous sulfate, 2.3c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
104.81	104.79	104.69	103.69

For Current Prices See Page 9

October 1 Price Advances

Aluminum chloride, anhyd., bulk, ½c. per lb.
dms., 1c. per lb.

Dollar shortages abroad have hampered export demand for caustic soda and soda ash. However, domestic business looks better this week for the alkalies in general. Chlorine is still in free supply.

Despite a sizable drop in production in July, producers' stocks of Frasch sulfur continued to rise, according to Bureau of Mines figures.

Recovered sulfur production was also curtailed to some extent in July, but this didn't help the supply position, as reserves of recovered sulfur gained substantially.

The American Paper and Pulp Association reported production for the week ended September 13 at 91.6 percent of theoretical capacity, as compared with the revised figure of 70.1 percent for the previous week, and 91.5 percent for the corresponding week of last year.

Acids

Hydrochloric—Producers note an improvement all through the end use pattern. About the last segment of business to reflect a pickup (and the first to indicate a slowdown) is the package trade: carboys and bottles.

Last week, carboy and bottle business was reported on the upswing. This is an indication that metal fabricators and finishers are doing better.

Hydrofluoric—Demand for hydrocarbon fluorination, chiefly for use in aerosol propellents, keeps this market active. Petroleum alkylation requirements are also well maintained. Atomic Energy Commission needs and glass demand are steady.

Nitric—Fertilizer demand for fall needs has accounted for moderately good volume of movement. Stainless steel inquiry is turning more active.

Indications are that output of stainless could rise considerably during the balance of the year. This feeling is based on the needs of automotive producers for new car production, as well as free availability of nickel.

Sulfuric—Price shading continues to be the rule, rather than the exception in the New York-Philadelphia areas, with reports of keen competition extending as far as New England. This is merely a continuation of a competitive situation which has existed for about two years.

In the rest of the country, acid prices appear to observers to be steady to firm.

Rising demands for a number of applications characterized the market last week. Fertilizer demand for fall requirements has been good. The rising output of steel, which hit a '58 peak last week, has been of considerable help, as has the increased tempo of buying by the rayon industry.

Steel production last week rose to an estimated 1,797,000 tons, a 1958 high, according to the American Iron and Steel Institute. This output tops the previous week's 1958 record high of 1,780,000 tons.

Last week's estimated output was equivalent to 66.6 percent of capacity. The previous week's production actually amounted to a utilization of 65.9 percent of capacity.

Bases and Salts

Aluminum Chloride—Liquid 32 degree solution was increased immediately on spot last week by a producer, following an earlier announcement by another manufacturer that it would raise prices October 1.

Last week, solution was newly quoted on spot at $4.95 per cwt., drums, carlots, works, and $5.55 to $13.25 per cwt., less carlots, as to quantity.

Anhydrous aluminum chloride is slated to be advanced ½c. per pound in bulk and 1c. per pound in packages, effective on spot and contract October 1.

On that date, truckloads in bulk are to be quoted at 15c. per pound; drums, carlots, f.o.b. works, 16c. per pound; drums, less carlots, same basis, 16½c. per pound.

Crystal aluminum chloride, which was changed in price July 1, is expected to continue without change. Crystal is currently priced at $21 per ton, drums, carlots, f.o.b. works, and $21.50 per ton less carlots, same basis.

Reason for the rise in solution prices is steadily mounting production costs. A key factor in the anhydrous price increase is the recent rise in the price of aluminum metal, from which the anhydrous is most commonly made.

Aluminum Sulfate—Last week, a producer increased the price on iron-free grade immediately on spot. This followed a move by another maker who slated price boosts on spot and contract October 1.

Effective last week, iron-free was raised to $2.80 per cwt., bags, carlots and truckloads, f.o.b. works, freight equalized, and $4.30 to $8.30 per cwt., less carlots, same basis, as to quantity.

Caustic Soda—Demand for caustic has perked up lately. This is chiefly due to heavier ordering from rayon and paper producers, although chemical demand in general is on the upswing.

The export market is said to be on the weak side, as trading on the agio in Brazil has brought dollars into short supply in that country. The agio is the Brazilian currency exchange, where certificates are awarded for purchase of imported materials.

Chlorine—While the industry reports that demand for chlorine has improved, few will disagree with the admission of most producers that it is in free supply.

Demand for chlorinated solvents is on the rise after a slow, competition-riddled summer. Paper and textile inquiry is also better.

Copper Sulfate—In a development startling to other producers, one maker last week announced that it would quote one price, firm for a 12-month period.

The producer said, "There will be no upward fluctuations or advances, but prices may be reduced should conditions warrant."

Production declined 7 percent, to 3,800 tons in July, from 4,080 tons in June, according to the Bureau of Mines.

Shipments dropped 16 percent, to 3,924 tons in July from 4,664 tons in June. Stocks eased downward 3 percent, to 4,560 tons at the end of July from 4,700 tons at the end of June.

At the July rate of shipments, inventories were sufficient for about five weeks'

Heavy Chemicals

requirements. Imports amounted to twenty tons in both May and June, and came from the United Kingdom. Exports in June were 730 tons.

Soda Ash—Business continues to show gradual improvement. Last week, glass industry demand for dense ash was higher than for the previous week.

The paper industry continues to show increasing interest for semi-chemical pulping. Aluminum and phosphate industry demand is also more active than previously. Export markets are weak, particularly in Latin America, where there is currently a dollar shortage.

Sulfur—The following figures, compiled by the Bureau of Mines, represent production, shipments and stocks of sulfur of a purity of 97 percent or greater during specified periods in the United States, in tons:

	July	*June*
Native production	359,384	383,664
Shipments	322,629	354,259
Sales*	299,866	342,362
Stocks†	4,721,167	4,661,649
Recovered production	47,173	48,039
Shipments	49,637	47,734
Sales*	42,494	55,364
Stocks†	165,552	160,873

* Calculated from production and change in stocks during the period.

† Producers' stocks at mines or plants in transit, and in warehouse at end of period.

The following figures, compiled by the Bureau of Mines, show imports of Mexican sulfur into the United States during specified periods:

Long Tons	*June*	*May*
Ore	130	195
In any form	27,745	48,040
Total	27,875	48,235
Dollar Value	*June*	*May*
Ore	$3,446	$5,169
In any form	$600,463	$1,319,492
Total	$603,909	$1,324,661

Tin Salts—With market break, potassium stannate slumped to 73.7c. to 81c. per pound; sodium stannate, 58.9c. to 64.8c.; stannic chloride, 74.8c. to 75.8c., anhydrous stannous chloride, 94c. to $1.434; hydrous crystals, 81½c. to 82½c.; and sulfate, 99.8c. to $1.018.

Nonferrous Metals

Copper—Reports of strikes in African mines were counteracted by weak demand on the London market last week. Custom smelters here edged prices up slightly in view of better domestic demand.

Primary producers held prices at 26½c. per pound, delivered US destinations.

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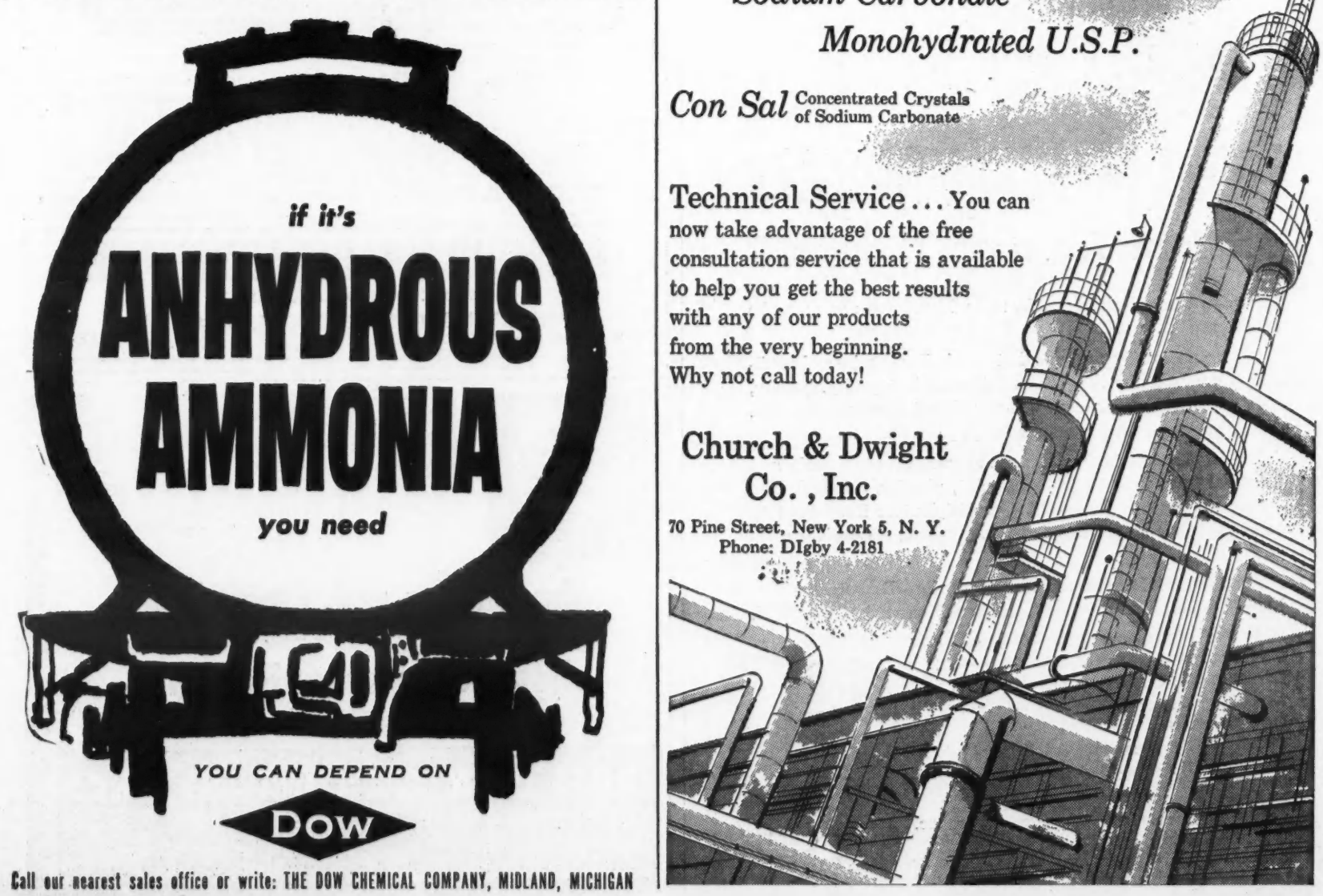

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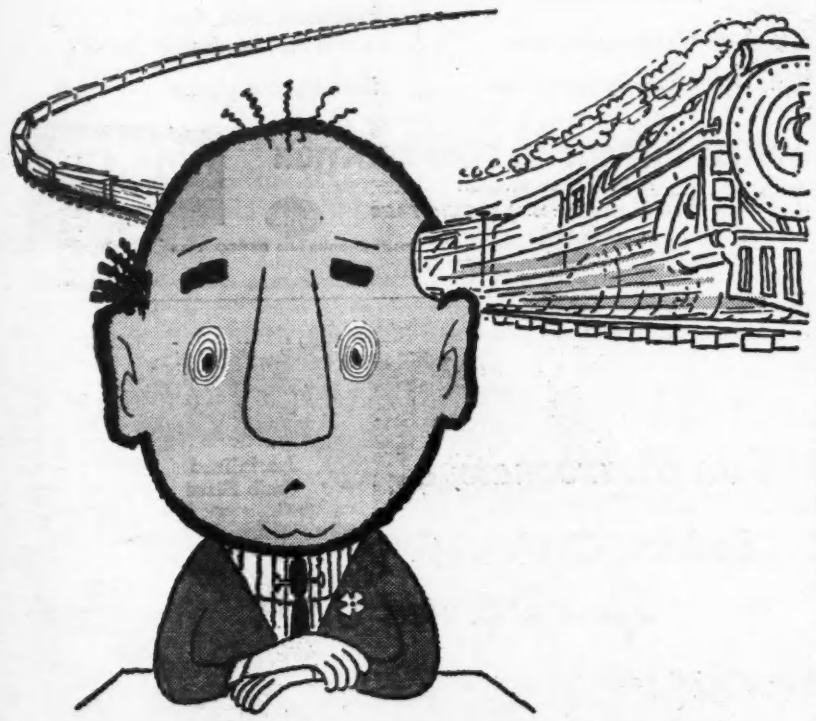

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Heavy Chemicals

Copper Institute, show production, shipments and stocks of copper metal, in tons.

World	*Aug.*	*July*
Production:		
Crude primary	224,393	216,315
Secondary	9,381	9,516
Refined	217,914	229,578
Shipments	247,060	220,801
Stocks	436,532	475,164
United States	*Aug.*	*July*
Production:		
Crude primary	67,586	64,444
Secondary	8,906	8,858
Refined	100,640	110,130
Shipments	86,982	77,523
Stocks	215,560	242,781

Lead—Metal rose ¼c. per pound last week, quoted at 11c. New York and 10.8c., E. St. Louis.

Mercury—Metal was quoted last week at $239 to $242 per flask, spot.

Domestic mine production of mercury in the second quarter rose to 9,410 flasks, an increase of 16 percent over first quarter output of 8,120 flasks, according to the Bureau of Mines.

During the first half of 1958, mine output totaled 17,500 flasks, compared with 15,200 flasks in the corresponding period of 1957.

Consumption in the second quarter rose to 16,100 flasks from 11,200 flasks in the first quarter, chiefly because of the start-up of a new chlorine-caustic soda plant at New Martinsville, W. Va.

Selenium—Domestic output of selenium and selenium—containing compounds in the second quarter was 214,571 pounds of contained selenium, according to the Bureau of Mines. This is 8 percent more than first quarter output of 198,590 pounds.

Silver—Bullion was unchanged Friday, quoted at 88⅝c. per troy ounce, spot.

Tin—Straits metal plummeted to 90½c. per pound, spot, on Friday.

Zinc—The following figures, in tons, indicate total slab zinc smelter output and stocks according to American Zinc Institute.

Production	*August*	*July*
Special high grade	22,809	21,676
High grade	2,616	4,031
Intermediate	1,871	889
Prime western	35,631	38,524
Total	62,927	65,119
Stocks	*August*	*July*
Special high grade	86,123	87,933
High grade	19,310	22,123
Intermediate	5,623	4,992
Prime western	140,473	142,883
Total	251,529	257,911

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Obituaries

John E. Pyron

John E. Pyron, vice-president, purchasing agent and a director of Thompson & Co., Oakmont, Pa., died September 5. He was sixty-four years old.

Mr. Pyron joined Thompson in 1942. Previously he had spent most of his business career in the coating industry.

Albert S. Dealaman, treasurer and executive officer of Dooner & Smith Chemical Company, Newark, N. J., died September 16 in Plainfield, N. J. He was sixty years old. Mr. Dealaman had been with the company for forty years.

Millard H. Poole, manager of the Ohio Valley sales region of Sun Oil Company, Philadelphia, died September 11 in Cincinnati, Ohio. He was fifty-three years old. Mr. Poole had been with the company since 1922.

Lloyd G. Smith, a retired vice-president and director of Creole Petroleum Corporation, died September 9 in Media, Pa. He was sixty-seven years old. Mr. Smith became a president of Lago Oil & Transport Company, Ltd., in 1944; after leaving that firm he was elected vice-president and director of Creole in 1947. He retired in 1956.

William E. Yates, resident manager of the Lawrence, Kan., plant of Westvaco Mineral Products Division of Food Machinery & Chemical Corporation, New York, died September 19 in Lawrence. He was forty-eight years old. Mr. Yates had been with FMC since 1941, when he joined as a research and development engineer. He had been plant manager at Lawrence since 1953.

Chemical Men Are Missing; Assumed Dead in RR Wreck

Three chemical industry men were reported missing following the crash of a Central Railroad of New Jersey train into Newark (N. J.) Bay on September 15.

They were:

Elton W. Clark, a director of Allied Chemical Corporation, New York.

Edward J. McMullen, a salesman for Sherwin-Williams Company, Cleveland, Ohio.

Robert B. Thompson, of the research department of Shell Oil Company, New York.

Mr. Clark, seventy-one years old, retired as vice-president of the company in 1955. He was president of Barrett Division from 1922 to 1941. Named a vice-president of Allied in the latter year, Mr. Clark had also held the position of treasurer from 1951 to 1953. He was appointed a director in 1951.

Mr. McMullen, thirty-four years old, was a salesman in the pigment, color and chemical division of the Cleveland paint company.

Mr. Thompson was thirty-two years old and had been with the research department of Shell as an electrical engineer.

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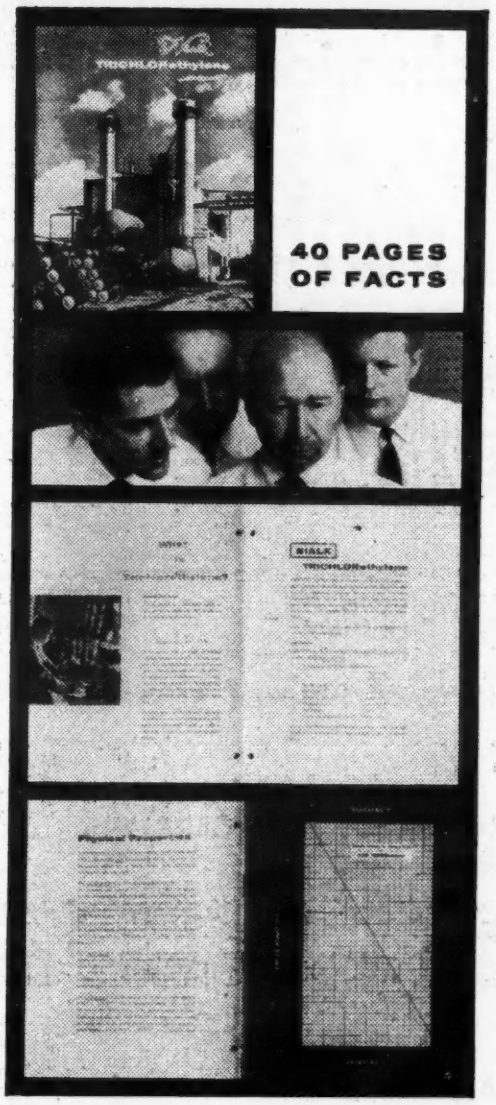

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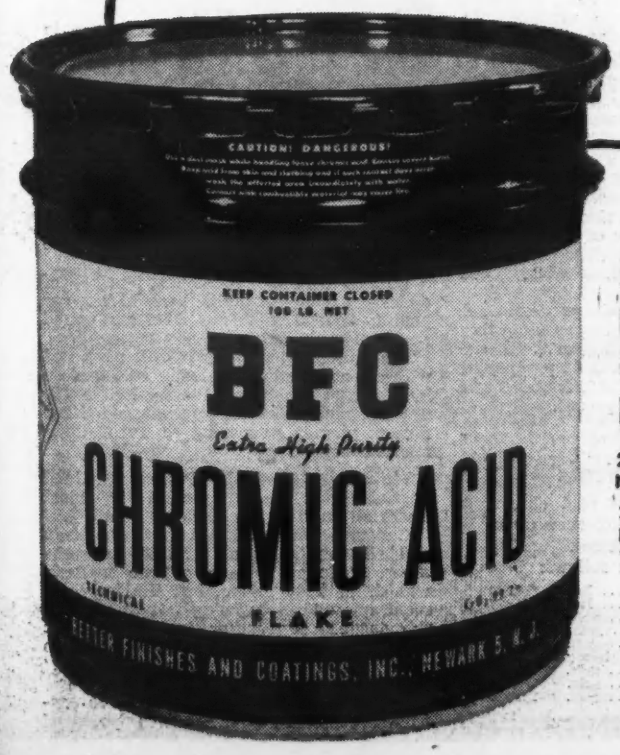

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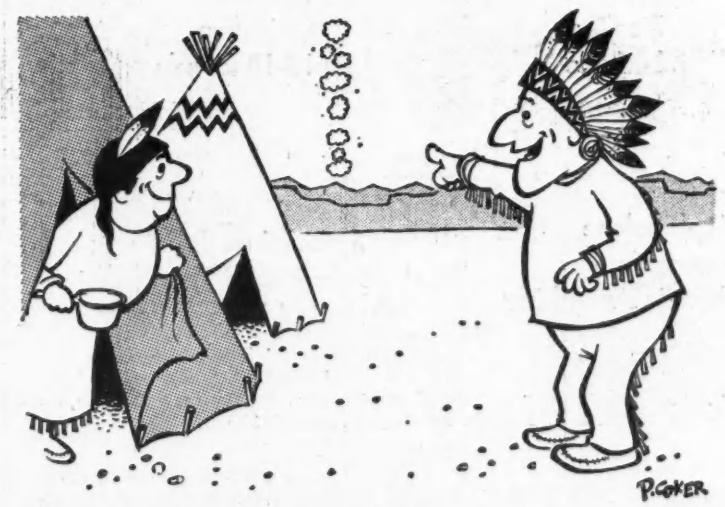

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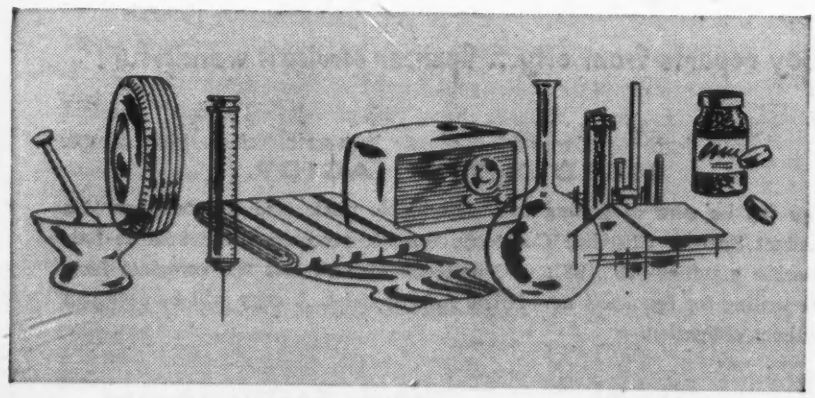

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COAL CHEMICALS

Coal Chemicals

Styrene monomer, technical, will be advanced 5/100 cent per pound across the board, effective October 1. New price for tankcar lots will be 12.67 cents per pound, while carlot listing will be 15.17 cents and less than carload lots will be 17.17 cents per pound. Polymer grade was unchanged. As reported two weeks ago, cyclohexanone and cyclohexanol will be boosted 2 cents per pound on October 1.

A major producer reduced the price of g-picoline 40 cents per pound on truckload in drums quantity. A tankcar price of $1.50 per pound was established. Prices are on an f.o.b. works, basis.

Petroleum sources posted reductions on some trade-named, high flash, aromatic solvents. The reductions ranged from 3 to 4½ cents per gallon at points in the East and Southwest. Coaltar sources reported no changes on high flash solvent naphtha at presstime, but indicated that changes would probably be forthcoming this week.

Cokeoven operators continued to report a firmer tone in light oils markets. Consumption of cokeoven toluene has increased in fringe areas where petroleum companies find it impossible to compete against the 25 cents per gallon delivered price established in April. Added buying of styrene by rubber companies has had a firming effect in the benzene market. Movement to phenol and insecticide outlets was routine. Xylene market was dull. The price reduction of last month brought no increase in consumption. However, cokeoven operators felt the reduction had led to a resumption of "normal buying patterns."

October 1 Price Advances
Cyclohexanol, 2c. per lb.
Cyclohexanone, 2c. per lb.
Styrene monomer, tech., 5/100c. per lb.

Consumption of phthalic anhydride continued steady and showed signs of strength in some areas. The uptrend was definite throughout the trade and most sources expected a continued improvement during the fourth quarter. Naphthalene buying remained on the slow side.

American Iron and Steel Institute estimated that steel production in the week ended September 21 would amount to 66.6 percent of theoretical capacity equivalent to 1,797,00 net tons of steel. Output of steel was 1,780,000 net tons in the week previous, 1,690,000 in the comparable week one month ago and 2,101,-00 tons in the corresponding week one year ago.

Basic Products

Benzene—Cokeoven operators continued to report a firming tone in this market. Movement to styrene, phenol and insecticide outlets has been freer in recent months, although benzene remained in plentiful supply. Price was unchanged at 31c. per gallon.

Naphthalene—Market has been more active in recent weeks, but movement continues in restricted volume pending further developments in the phthalic anhydride market.

A drop in the price of phthalic, would bring the naphthalene market under great pressure for a reduction also, it was said. One source said the price of import naphthalene would probably decline right along with domestic material if a change was made.

g-Picoline—A major producer announced a price reduction of 40c. per pound on this material last week. Listing on truckload lots, in drums, moved from $2 per pound to $1.60, f.o.b., works. Tankcar price was established at $1.50 per pound.

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending September 21, was as follows:

Ammonia liquor	lbs.	530,778
Ammonium sulfate	lbs.	29,098,437
Benzene	gals.	2,877,997
Coaltar	gals.	13,963,567
Crude chemical oil	gals.	365,847
Solvent naphtha, crude, heavy solvent	gals.	94,360
Toluene	gals.	613,343
Xylene	gals.	176,926

Price Trends

Advanced
None

Reduced
g-Picoline, t.l., 40c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
118.58	118.53	118.58	118.18

For Current Prices See Page 9

Solvent Naphtha—A price break was in the offing, according to coaltar sources contacted late last week. However, no new schedules were available at presstime as reductions made in petroleum aromatic solvents were under study. Coaltar sources said they expected to come out with new prices this week. Coaltar material has been quoted in a range of 31c. to 35c. per gallon, according to shipping point.

Toluene—Conditions remained "satisfactory" in this market, according to report of steel sources contacted last week. Cokeoven toluene has continued to move into markets in fringe areas at the 25c. per gallon delivered price where freight becomes too great a factor for petroleum sources to compete. From this standpoint, consumption has increased since the reduction of last April.

On the petroleum side, a surge in aviation gas buying has helped trim inventories, but price in this outlet is always unattractive compared to price levels for toluene used in industry.

Xylene—Bureau of Mines report indicated production of cokeoven xylene in the month of July amounted to 595,320 gallons as against 646,830 in the previous month and 839,500 gallons in the corresponding month one year ago. Output in the first seven months was 4,580,902 gallons as against 6,368,000 gallons in the comparable period last year.

Sales were 601,933 in July compared with 628,665 in the month previous and 807,000 gallons in the comparable month last year. Total sales for the seven month period were 4,447,065 gallons this year and 6,319,600 in the like period last year.

End of month stocks at the close of July were 885,446 gallons as against 916,388 at the close of the previous month and 719,-774 gallons at the end of July last year.

Intermediates

Aniline—Inventory control in rubber and dyestuff industries has relaxed in the past two months and makers of aniline, as well as other dyestuff and rubber chemical intermediates, were experiencing a rebound in sales volume.

Sources said it remained difficult to tell how much of the recovery was real and how much was a matter of consumers having reached "the bottom" in inventory reduction. In any case, consumption is up and producers phrased their reports in more optimistic terms than has been the case in past months.

Dodecylbenzene—Sources quoted unchanged prices from levels previously in effect. Last price action in this market was a 3/10c. per pound reduction in the tankcar listing effected in May.

Under current schedules, price of dodcylbenzene in tanks was 11.7c. per pound; carload in drums, 14c. per pound and less carload lots, 15c. per pound.

Demand has been fairly well sustained with sources reporting steady withdrawals by detergent makers. Production in the first six months of the year exceeded 200 million pounds, according to Tariff Commission report.

Phthalic Anhydride—Price remained unchanged at 21c. per pound for flaked material, in bags, in carload quantity.

Consumption has been running steady and showing signs of strength in some areas. The magnitude of the uptrend was difficult to gauge, but the improvement was definitely being felt throughout the trade. A further improvement is expected during the fourth quarter to what were termed "satisfactory levels" for the year.

Use of phthalic in plasticizers has continued to show good growth potential

Coal Chemicals

this year, it was said. Some sources felt that this outlet would grow to match the alkyd resins market.

Rubber Chemicals—Trade sources said that by comparison with sales levels of the early part of the year, business has been "booming" during the past two months. Rubber companies had been living off heavy inventories in hand to mouth manner for most of the year, due to sharp cutbacks in automobile production.

Recent months have seen a substantial improvement in the overall business picture and tire companies are apparently confident that 1959 cars will be well received by the public. Consequently, stocks of rubber chemicals have been replenished to care for current needs for replacement tires as well as to build inventories for new equipment on the 1959 models.

Prices were well held. Last change in these markets was a 5c. per pound reduction in the price of diphenylguanidine effective in June of this year.

Census bureau reported exports of rubber accelerators in June amounted to 354,246 pounds as against 343,221 pounds in the previous month. Exports of antioxidants during the month totaled 794,449 pounds compared to 796,934 in the month previous. Exports of other rubber compounding agents in June were 188,232 pounds, while exports in the previous month were 146,104 pounds.

Styrene Monomer — Effective October 1, technical material in use by rubbermakers will be advanced 5/100c. per pound across the board. Polymer grade was unchanged from previously reported levels.

Under the new schedules, technical styrene will be 12.67c. per pound in tankcar lots, while carload price will be 15.17c. and drum lots will be 17.17c. per pound. Polymer grade listed at 14½c. per pound in tanks, 17c. in carload and 19c. per pound in drum lots.

Styrene demand in the rubber industry has continued to improve during the past two months. Rubbermakers' inventories have gone below normal and a brisk season for new cars plus continued good demand for replacement tires will mean a substantial upturn in the styrene market, it was said.

Political developments in the Middle and Far East have had no effect in this market. It was pointed out that consumption of synthetic rubber in this country has been stabilized at about 65 percent. Even if natural rubber supplies were curtailed drastically, rubber companies could crank up a substantial capacity for the production of isoprene-type rubber to take up the slack.

Vinyltoluene—Shipping terms for this material have been changed from freight allowed to f.o.b., works, according to trade report of last week. Prices were unchanged from prevailing levels and tanks listed at 13½c. per pound, while carlot price was 16c. and less carload price was 18c. per ponud. Market was routine.

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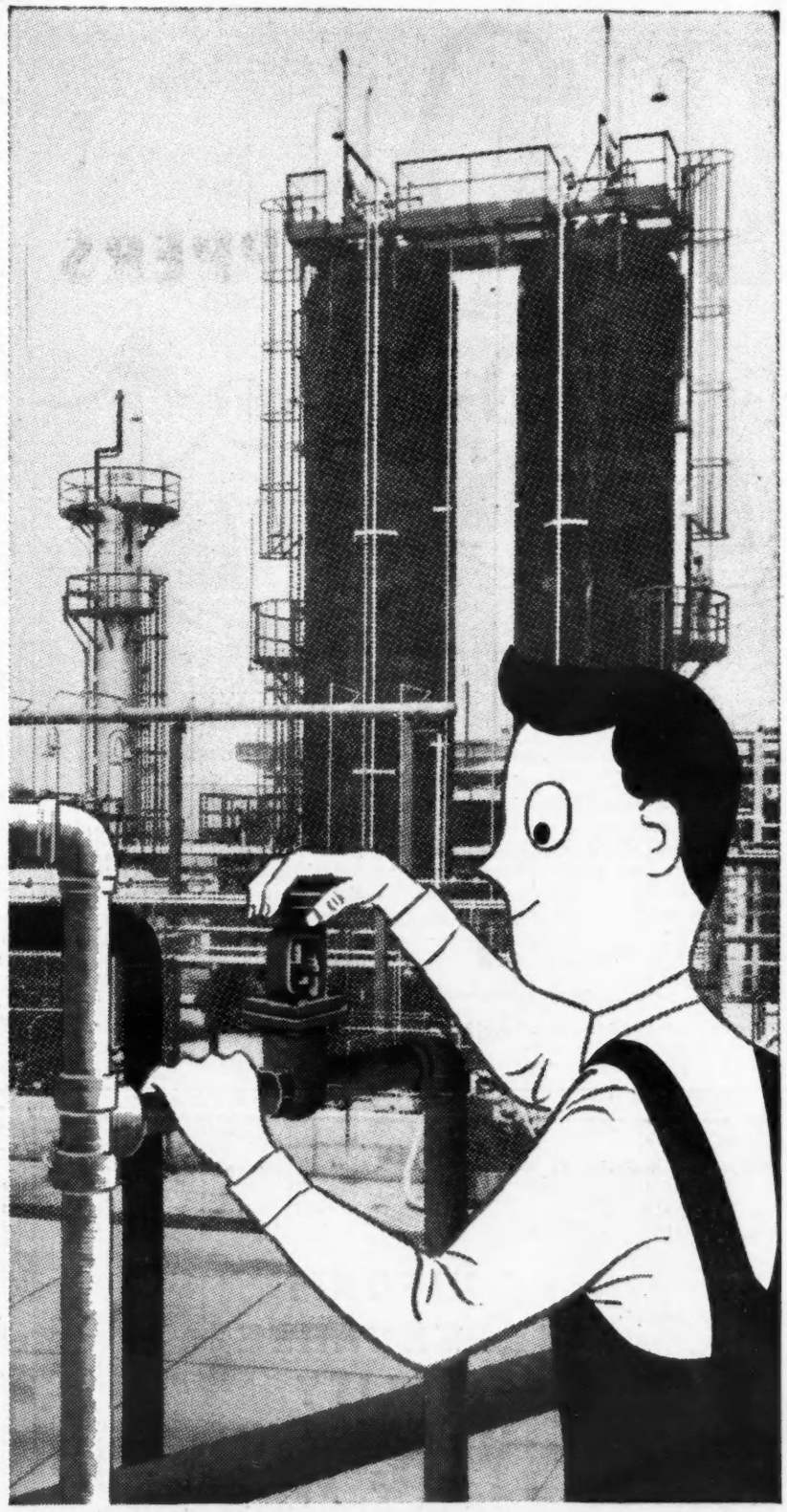

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Alcoa Names Coordinator, Divides Its Metals Unit

Dr. William L. Fink, chief of Aluminum Company of America's research laboratories' physical metallurgy division since 1943, has been promoted to the newly-created position of scientific coordinator for the research laboratories.

According to the Pittsburgh, Pa., firm, the physical metallurgy division's growth and diversification has made it necessary to divide it, creating an additional unit to be known as the fabricating metallurgy division. Chief of the remaining portion, which will continue to be known as the physical metallurgical division, will be H. Y. Hunsicker, formerly assistant chief of the research labs Cleveland, Ohio, division.

Polyvinyl Acetate Emulsion Is Produced by Shawinigan

Shawinigan Resins Corporation, Springfield, Mass., has announced commercial production of a new polyvinyl acetate emulsion specifically designed for use as the vehicle in gloss and semigloss water based paints.

The new emulsion designated as "Gelva Emulsion TS-66," is expected to open the estimated $200 million annual retail market for interior gloss paints to polyvinyl acetate systems.

Acetic Acid Expansion

—Continued from page 3

KixMiller stated, "have made it essential that we proceed immediately with this expansion in order to supply both our customers' growing requirements and increasing needs within our own company."

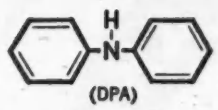
The acetic acid unit is the heart of the Celanese petrochemical complex at Pampa. By a unique process developed at the company's laboratories in Clarkwood, Tex., hydrocarbons are partially oxidized under high pressure to make acetic acid and small amounts of other organics.

Acetic acid is used by the Celanese textile division, is sold to outside customers, and is reacted further in chemical processes at Pampa to produce acrylate esters, acetic anhydride and vinyl acetate. These products, in turn, are sold to outside customers, consumed by other divisions of the company, and further upgraded by Celanese into fibers, industrial chemicals, and plastics.

The additional acetic acid also will be available for increasing output of two relatively new Celanese products—trimethylolpropane, used in the manufacture of polyurethane foamed plastics, coatings and synthetic lubricants; and acrylate esters, whose principal uses are in the manufacture of paints and coatings.

The expansion of acetic acid production is another step in the Celanese long-range program of chemical product diversification and upgrading, Mr. KixMiller said.

DU PONT DIPHENYLAMINE



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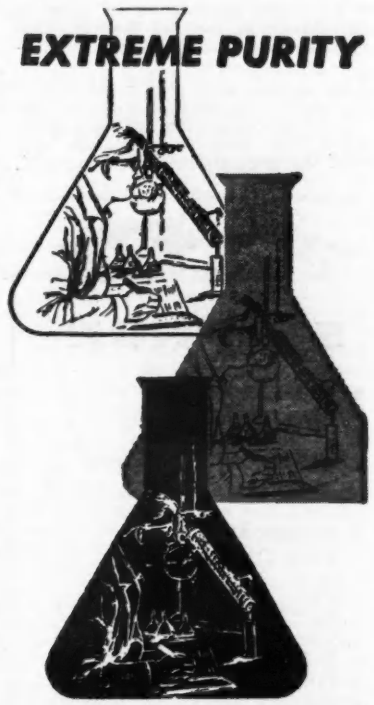

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Agricultural Chemicals

Current reports on the season still coming in from producers, note that though the year wasn't exactly a stellar one, it was better than had been anticipated. Producers say that initially they had felt the market for fertilizers this past season would run about 10 to 12 percent short of last year's demand. However, as it has turned out, demand ran only 3 to 4 percent short of last year. Part of this must be attributed, one source suggests, to the education of the rural community over the years to the use of fertilizers. A survey made recently notes that the tonnage of plant nutrients used by farmers has tripled since the 1935-39 period. The market at present stands pretty much in a position of ease. Price cuts were made in two animal proteins last week: dried blood and tankage. Both items had been reduced the week previously in their Chicago quotations. In other areas of the market it was noted that urea probably faces a price cut sometime in the future. Ammonium nitrate continues to show some strength as the result of the healthy post-seasonal discount now in effect. Regular price adjustments will be made in this material plus anhydrous ammonia, aqueous ammonia and nitrogen solutions on October 1.

Price Trends

Advanced

None

Reduced

Dried blood, New York, 25c. per unit-ton.
Chicago, 50c. per unit-ton.
Tankage, New York, 25c. per unit-ton.
Chicago, 75c. per unit-ton.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
108.43	108.45	108.33	110.72

For Current Prices See Page 9

October 1 Price Advances

Ammonium nitrate, $5 per ton.
Anhydrous ammonia, $4 per ton.
Aqueous ammonia, $4 per ton.
Nitrogen Solutions, $4 per ton.

One major producer in the field has reported that he enters this fiscal year in about the same position as that he held at the same time last year. He attributed the lack of an increase in sales to wet weather, particularly in the Midwest farming areas. This, the producer says, is resulting in late maturing crops which is throwing farm chemical and fertilizer sales off their normal schedules. However, the producer noted, mixed fertilizer prices are more stable at present than they were last spring. This, despite weaknesses and discounts recently instituted in fertilizer raw materials such as ammonia.

Pesticide sales stand at pretty much the level it has held for the past weeks. Dealers reporting on the pesticide season admit the period was highly competitive, though they at the same time report that the market was better than had been anticipated. Many of the difficulties encountered during the seasonal period are attributable to weather conditions that prevailed, producers said.

Animal and Plant Foods

Ammonium Nitrate—Heavy discounts in effect until October 1 are leaving their mark in this market, though, sales are not considered excessive and the factor of limited volume remains a deterent to the producer's complete happiness. At present an $8 discount is in effect. Effective October 1 the discount drops to $3 making the price $65 per ton, f.o.b., plant.

Anhydrous Ammonia—A slight revival of interest has been noted in this market according to reports from a number of producers. In one respect the material is pretty much in the ammonium nitrate boat, i.e., both have good strong post-seasonal discounts in effect until October 1. Dealers and producers expect this month to come off pretty high in the demand picture. The first of October will mean a halving of the present $8 per ton discount.

Ammonium Sulfate—Ample material is now available and with the steadily rising rate of steel production future shortages are unlikely. One source notes that both domestic and foreign inquiry have fallen off to the usual post-seasonal level.

Superphosphate—Producers of this material have reported that the seasonal period stood on a level with other years. Demand, producers say, has neither climbed nor fallen off. Also, contracts have remained on a level with past years, it was added. Prices appeared to remain firm for the material. No changes in the immediate future are anticipated in the position of the market.

Animal Protein—The market for this material continued on the easy side. One source noted that seasonal factors have not, as yet, come into play yet. The market was marked by declines in tankage and dried blood. Tankage fell 25c. per unit ton in New York and 75c. in its Chicago listing. Dried blood also fell away 25c. per unit ton in New York while the Chicago listing for blood dropped 50c. per unit ton to a $7 listing. The week previous the spot quotes for Chicago blood and tankage fell off 25c. per unit ton each. Other items in the market remained at previous price levels. Bone meal continued $65 per ton; castor pomace stood at $37.50 per ton while the fish items also remained unchanged.

Castor Pomace—Price for this material, according to producers, continues at $37.50 per ton, a revision of the early summer listing of $40 per ton. Demand is said to be slow with supplies long.

Potash—Deliveries of this material in August were in better than average volume, according to one source. Others in the trade appear to be in agreement with this. A consensus attributes the August strength to the healthy pre-September 1 discounts that were in effect. A factor that will come into play in the market is the settlement of the strike at the potash mines in Carlsbad, N.M. In shut-down the mines had little effect upon market conditions because of the plentitude of available supply.

Urea—Industrial requirements have been the major factor in this material's market lately, with agricultural demand taking the walk-on roll. Now, however, toward the end of this month, agricultural demand should come into its own, sources here report. Urea prices remained at last season's level though competitive materials were offered at heavily reduced schedules. This fact, coupled with the start of new production sometime soon, has led to speculation that current prices will take a dive sometime during the present fertilizer season.

Pesticides

DDT—Demand, according to one source, continues to show strength trandscending the seasonal. This has been attributed to over-active worms in the cotton areas of the southland. Prospects, according to the source, look good for the rest of the fall season. In addition to regular requirements, it was said, the government is expected to buy about 60 million pounds of the 75 percent powder. Inventories of technical DDT, it was added, remain scant and no real build up of supplies is expected. This is said in the light of the steady buying in both the domestic and foreign market scenes.

Diethyl Toluamide—According to one report, interest in this material has broadened during the past few months. However, it was noted, the material is new to the market and is not yet considered in the volume category. Prices stand at previous levels.

Alethrin—Current price for 90 percent material on a freight allowed basis is $28.80 per pound. For the 20 percent solution in drums of 200 to 2,000 pound lots the quotation ranges from $6.50 to $6.55 per pound.

Methyl Parathion—Prices for this material continue on spot at recently reduced listings. The listing is $1.12 per pound, any quantity. The price cut, instituted early in August, brought the schedule down from $1.18 for carlot quantities and $1.23 per pound for less carlot quantities. Producers have attributed the price change, among other reasons, to the influence of cheaper foreign material on the market.

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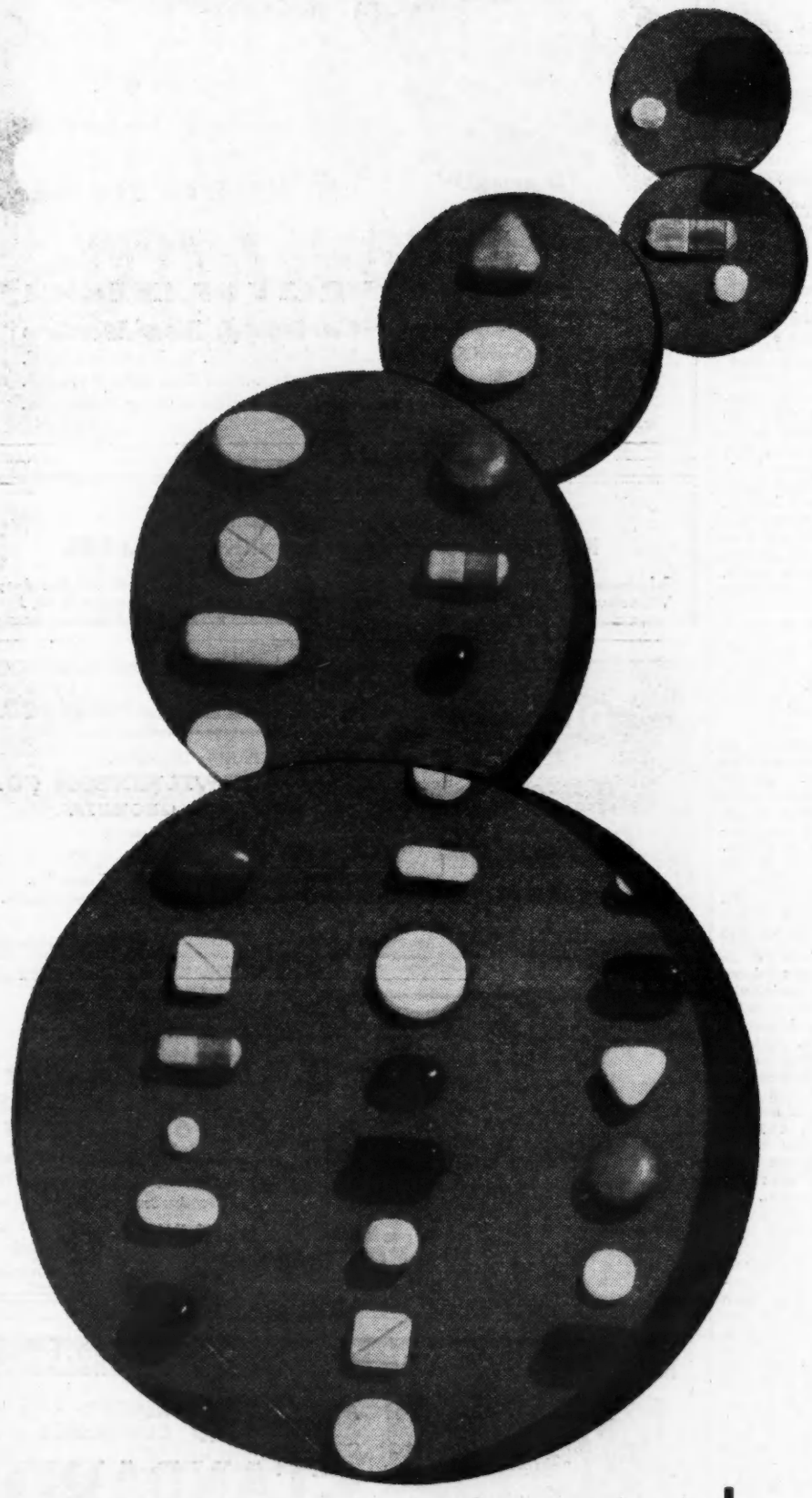

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Drugs, Fine Chemicals

A major producer announced a 40 cents per pound reduction in the price of sodium sulfathiazole, NF, X. The material was previously listed in the metric system, but since it moves primarily to outlets in the veterinary field, a return to the avoirdupoise system was felt to be desirable. Sulfathiazole, NF, X, will continue to be quoted on a metric basis and prices were uneffected by the changes in sodium salt. Price increases in industrial aluminum compounds scheduled for October 1 have not been reflected in USP and NF grades of aluminum sulfate and chloride. Volume is comparably small and any added cost would probably be absorbed, it was said. No other price adjustments were noted in drug and fine chemicals markets last week.

Disposal of over thirteen million ounces of quinine from government stockpiles was not expected to effect the domestic market. Trade reports pointed out that raw material, as well as finished pills from which quinine could be extracted, have been offered from time to time in the past with no unduly depressing effect on domestic trading patterns.

Salicylates and antibiotics continued to exhibit a seasonally firmer tone. Basic suppliers reported some good advance bookings for aspirin, although the pace has slackened a bit from reports of early this month. Other salicylate markets were doing well as dealers were apparently building good inventories to meet winter requirements.

Vitamins markets were steady and unchanged. Consumption was on the upgrade this month for most items. Ascorbic acid demands were well sustained and thiamin salts as well as pyridoxine and B_{12} were moving in good volume to makers of multivitamin products.

Research developments of recent date include the production of two analogues of reserpine; one in use specifically for hypotensive properties, while the other is said to be a potent tranquilizing agent with negligible hypotensive effects.

Aluminum Chloride—Anhydrous material was scheduled for a 1c. per pound hike October 1 after a 1c. reduction last November. The increase in anhydrous material was not expected to effect NF granular material which was boosted 2c. per pound to 31c. in January of this year. It was felt that any added costs in production of NF material would be absorbed.

Aluminum Sulfate—Granular USP material was quoted at 30c. per pound, while powder listed at 37c. A 25c. per cwt. advance in the price of commercial, iron-free aluminum sulfate, scheduled for October 1, was not expected to have any pricewise effect on USP material.

Ferric Chloride—A major producer reported that freight will no longer be equalized on photo engraving grade, effective on contract October 1. Price will be on an f.o.b., works basis.

Hormones—Developments in the field in recent months have included 16-alpha-methyl-9-alpha-fluoroprednisolone, generically termed hexadecadrol, which was reported to be on the order of 190 times as potent as hydrocortisone. It has generally been accounted one of the most significant advances in corticosteroids since cortisone.

Hexadecadrol as well as other prednisolone analogues have been undergoing extensive tests with the aim of attaining highest potency with a minimum of undesirable side effects.

The addition of fluorine atoms to the steroid nucleus was said to be further proof that the potency of natural steroids could be enhanced by altering chemical structure. However, electrolyte activity has been found high, barring their systemic use. Methylation of prednisolone analogues apparently has been the answer. Some researchers believe that steroids may act as catalysts in the body, triggering reactions that bring on undesirable side effects. Methylation of the steroid contributes to stability of the compound, it was said. Sodium and water retention and potassium loss have been negligible in clinical trials.

Mercurials—Use of mercury in pharmaceuticals required 1,751 flasks during 1957, while use in the first six months of 1958 totaled 1,297 flasks. Mercury consumption in dental preparations last year was 1,371 flasks compared with 678 in the six-month period this year. General laboratory use last year totaled 894 flasks as against 495 flasks in the first half of 1958.

Price Trends

Advanced
None

Reduced
Sodium sulfathiazole, NF, X, 40c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
62.60	62.61	62.79	63.28

For Current Prices See Page 9

Quinidine Sulfate—Under 500 ounces in tins listed at 77c. per ounce, while 500 ounces or more, same packing, was 75c. and 1,000 ounces or more, in drums, listed at 74½c. per ounce.

Demand was seasonally heavier as pharmaceutical houses were reported beefing up inventories in anticipation of winter needs. Stocks were fully adequate for trading requirements.

Quinine Sulfate—Less than 1,000 ounces in tins listed at 29c. per ounce, while 1,000 ounces or more, same packing, was 28c. and 1,000 ounces or more in drums listed at 27½c. per ounce.

Government disposal of over 13 million ounces of quinine from stockpiles was not expected to unsettle trading patterns. Sources pointed out that raw material as well as pills from which jobbers could extract quinine have been offered by the government in large quantities in the past without having an overly depressing effect on the market.

Reserpine—A report at the 134th national meeting of the American Chemical Society in Chicago, stated that two distinct analogues of reserpine have been produced; one having all the hypotensive properties of reserpine with a negligible tranquilizing effect, and the other, a tranquilizer as potent as reserpine without hypotensive effects.

The hypotensive agent, generically termed syrosingopine, appears to lower arterial pressure by direct peripheral depletion of norephinephrine, according to the report. It was said to produce identical effects whether given orally or intravenously.

The tranquilizing half of the team is chemically defined as methyl-3-dimethylaminobenzoyl reserpate. Tranquilizing effect in laboratory animals appeared within two hours and lasted for two days, it was said. No hypotensive response was noted.

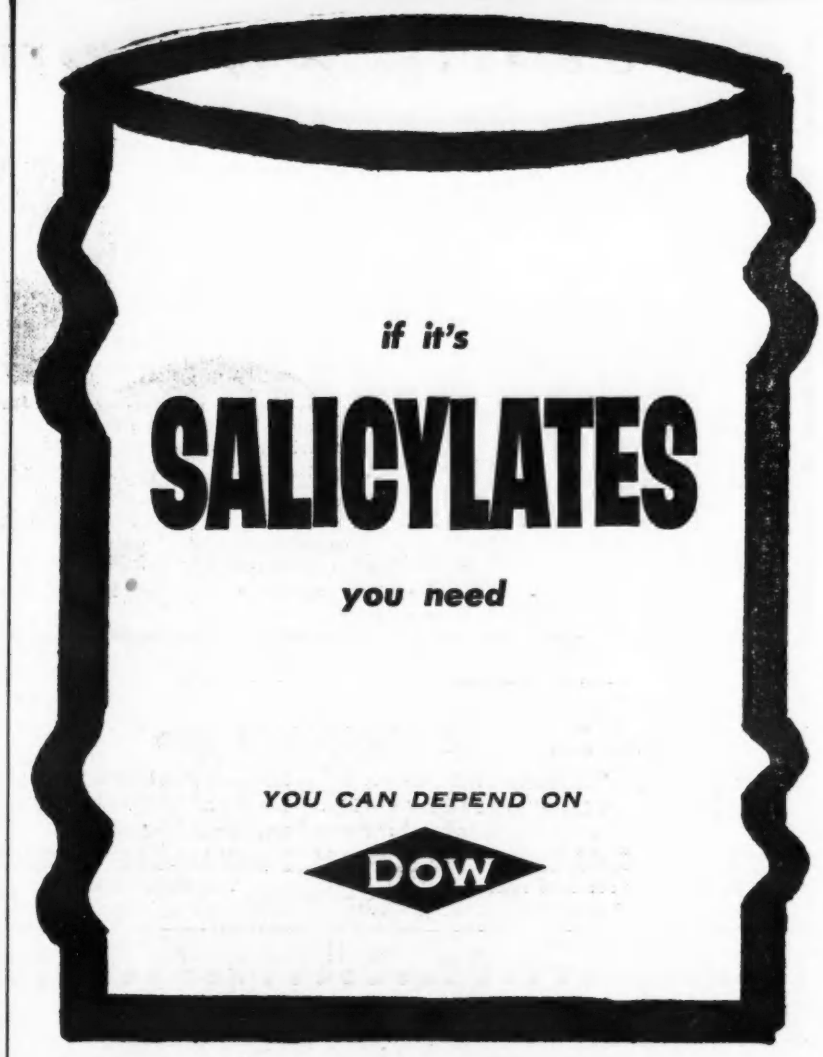
Sodium Sulfathiazole—A major producer announced a 40c. per pound reduction in the price of sodium sulfathiazole, N.F.X. Previously, quotations on this material had been in the metric system. However, the bulk of the market is in the veterinary field and a return to the avoirdupoise system was felt to be desirable.

Sulfathiazole, N.F.X., will continue to be quoted on a metric basis and price is unaffected by the changes in sodium sulfathiazole.

Under new schedules, sodium sulfathiazole, 1,000-pound lots or more, listed at $2.35 per pound, while 500-pound quantity was $2.45 and 25-pound carton (minimum shipment) was quoted at $2.75 per pound.

Botanicals

The market for crude botanical drugs of domestic origin continued to exhibit better tone this month than was evident in the previous month. Pharmaceutical buying was more active, as consumers were said to be replenishing supplies in anticipation of winter needs. Export market was a trifle weak, more as a result of exchange difficulties than through any faltering in demand. In any case, the overall picture was improved and sources reported



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Drugs, Fine Chemicals

trading as being "a little more brisk this month."

Dealers in import crude drugs were not quite so optimistic in their reports. An expected upturn following the Labor Day holiday fell short of expectations. Buying continues in a day to day manner, it was said. Sweet orange peel was firmer due to short supplies. Material coming from the Mediterranean area has been scarce.

Canada Fir Balsam — Movement was routine at prevailing levels. Sale of this material along with senega root, cascara segrada, genseng root and other coniferous oils went to make up a part of the $6.9 million in pharmaceutical and medicinal exports recorded in Canada last year by the chemicals division of the Canadian Department of Trade and Commerce.

Cascara Segrada—Demand was fairly well sustained. Sources have reported better tone in the market this month after slow trading last summer. The export market was off as a result of exchange difficulties, it was said. Price was quoted unchanged at 30c. per pound.

Goldenseal Root—Harvests in the northwest were currently underway. Sources said supply would be adequate for demand. Yield of this material has been small in recent years, but demand has been off also. Price was listed unchanged at $4.10 per pound.

Mandrake Root—Spot market was slow. Prices were weaker as dealers appeared anxious to move what material they had on hand. Listings were in a range of 48c. to 50c. per pound.

Orange Peel—Material listed at 14c. to 16c. per pound for bitter and in a range of 30c. to 35c. for sweet. Orange peel, sweet, has continued to firm in price as a result of short supplies. Volume of material coming from the Mediterranean area has fallen short of expectations.

Senega Root—The market was unchanged at prevailing quotations. Dealers quoted material at $2.10 per pound. Spot market was quiet. As with other domestic botanicals, the export market was a trifle weak.

Wild Cherry Bark—Natural bark was 18c. per pound, while rossed listed at 20c. Withdrawals were routine. A seasonal upturn for accounts in the pharmaceutical trade was thus far notable by it's absence. Sources said they had experienced no seasonal increase in demand from manufacturers of cough and cold remedies.

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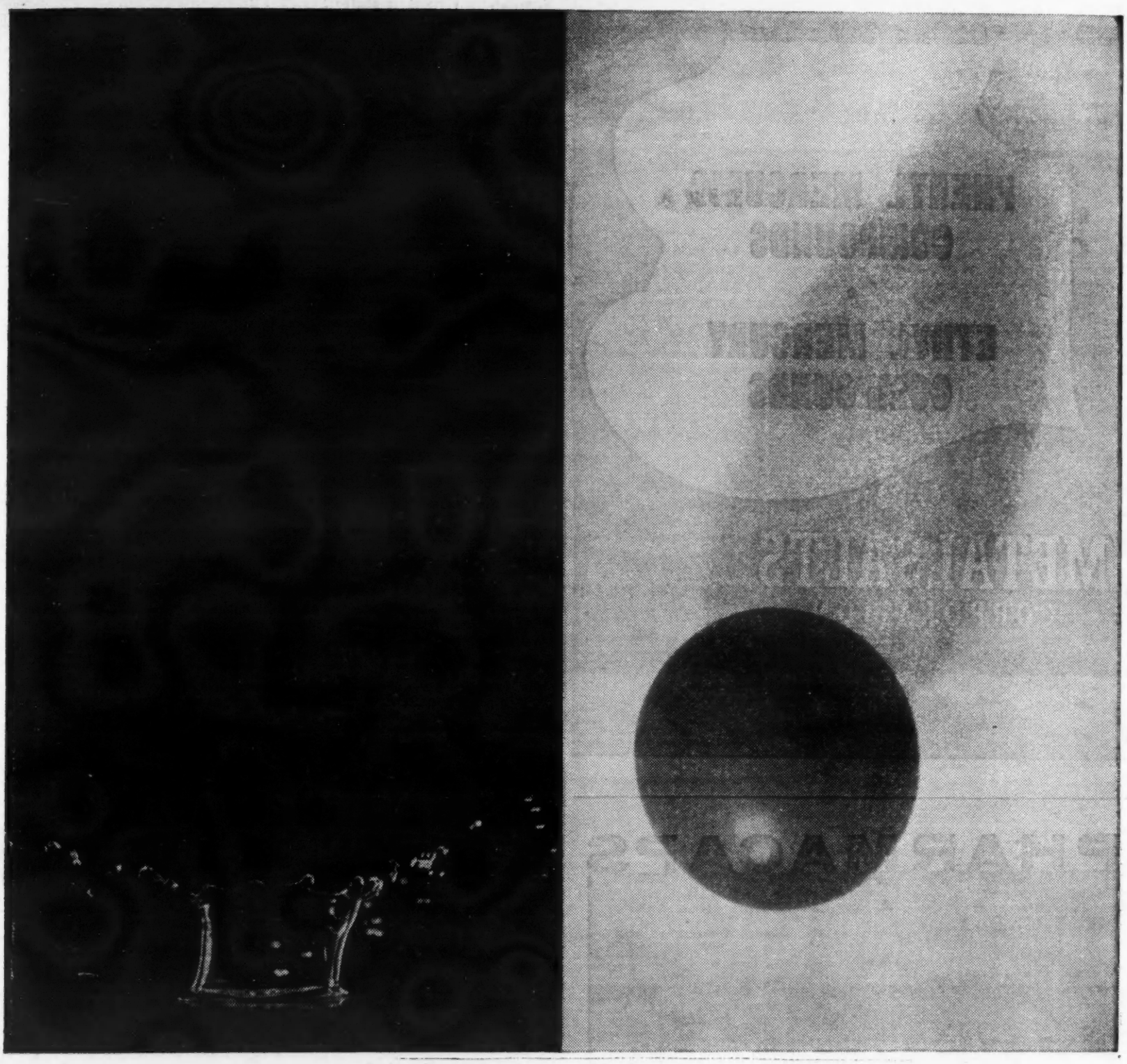

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Squibb Is Granted Patent In Steroid Chemical Field

A patent containing sixty-two claims in the steroid chemical field has been granted by the patent office to Olin Mathieson Chemical Corporation for its E. R. Squibb & Sons division.

Squibb research in the steroid field has led to a number of significant discoveries including fluorohydrocortisone, Olin says. The patent, number 2852511, covers this compound as well as triamcinolone, the newest of the halogenated steroids.

Eli Lilly Will Receive 1958 Remington Medal

The New York branch of the American Pharmaceutical Association will present the Remington medal for 1958 to Eli Lilly, chairman of the board of Eli Lilly & Co., Indianapolis, Ind.

Presentation of the medal will be made at the Remington dinner, which will be held Wednesday evening, December 10, at the Roosevelt hotel, New York.

St. Louis DCAT Elects

The Drug, Chemical and Allied Trades Association of St. Louis, Mo., has elected Fred J. Lence, of Abbott Laboratories, Inc., as president for the coming year. Other elected officers include: First vice-president, Philip A. Gunn; second vice-president, Norman E. Dietz; secretary and treasurer, William J. McMillan. Elected board members are Edward H. Blatzer, Fred A. Blust, Norman R. Mendenhall, and Charles E. Wall.

CSC Official

—*Continued from page 3*

at a slower rate because of inflationary influences, but added cheerfully that industry conditions always improve more rapidly after a recession because of the cost production programs that have been put into effect.

Mr. Jackson had a word of caution, however. All fields of the chemical industry, he said, are not rosy. Certain items may not follow the industry trend because of present over-production, over-capacity and short-sighted sales policies, he warned.

As for solvents, the CSC executive predicted that they will be up in use and price. Methanol demand has increased and should remain at high levels for 1959, he added.

The present high in pharmaceuticals is expected to continue with some mixed optimism, depending on the individual products, the speaker said.

Chemicals, synthetic textiles and hydrogen are also expected to do well, Mr. Jackson concluded.

PMA Takes Stand

—*Continued from page 3*

an infectious disease. It is often possible to identify the agent of an outbreak of an epidemic only at a laboratory far removed from the source of collection of infectious material. Air mail may be and very frequently is an indispensable means of transportation in such an instance.

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Essential Oils, Aromatics

Activity on the essential oils market last week consisted of a decline of five dollars in snakeroot oil and an advance of 5 cents in amyris oil. It would appear that snakeroot oil is in good supply and demand is whithering. Suppliers of amyris oil in Haiti have been sitting on supplies hoping for increased prices. Reports at source showed a tendency toward slightly lower prices for the ever-high geranium oil. This might be because new crop will be harvested next month. On the other hand, some producers have predicted that the new crop will not lessen the persistent tight supply problem which has afflicted the geranium oil market for over a year now.

The pressure is said to have abated somewhat for orange oil after the season of heaviest buying which are the summer months. Earlier this month listings of cold pressed and sweet orange oil declined slightly for both California and Florida brands. Celery seed oil was reported to be firming both at source and on spot last week. The advance was attributed in part to increasing spice prices.

The aromatic chemicals market was quiet last week with neither declines or advances. Inquiries with the advent of fall have increased for both the essential oils and aromatic chemicals markets, it was noted.

The seeds and spices market was quiet and steady last week, sources stated. Black pepper listings were unchanged but seemed to be edging upwards. Spots were tight with most Lampong material being detained. Sarawak and Ceylon sellers were not doing much business. India was said to be the most competitive market with levels only slightly below ours. The white pepper market was colorless as well.

Spot cassia was still under pressure last week. Nearby futures are reasonable. Pimento listings are scheduled to advance November 1. Spot supplies were below normal. Nutmegs were moving well, and mace was likewise strong as replacement is not possible at spot levels. Reports show that Spain is having trouble fixing new crop paprika prices.

According to a monthly report from London, trading on the essential oils market was slow at the end of last month. This trend, however, did not appear to cause any decline in prices. Many oils have been too soft, and thus advances are more likely than declines. Anise seed oil was steady with a rise expected with the advent of seasonal demand. Bois de rose was firmer, and supplies dwindling.

Geranium oil continued to follow a course of higher prices with the oil becoming scarcer. Poor weather this year has reduced demands for sweet orange oils, but in spite of this and due to the scarcity of the oil from all sources, prices have been maintained. Despite slow business, Spanish rosemary and spike oils were tight. Sandalwood oil was in short supply, and prices have been advancing.

Price Trends

Advanced

Amyris oil, 5c. per lb.
Paprika, Hungarian, 1c. per lb.
Yugoslavian, 1c. per lb.

Reduced

Pepper, red, Japanese Hontaka, ½c. per lb.
Japanese Santaka, 1c. per lb.
Snakeroot oil, $5 per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
145.91	146.55	145.79	145.76

For Current Prices See Page 9

Essential Oils

Amyris — Producers continued to raise their prices of this essential oil which is sometimes known as West Indian sandalwood oil. In Haiti exporters have been holding the oil back for better prices. Material on spot is becoming scarcer. The current price of amyris oil ranges from $1.30 to $1.60 per pound or 5c. less than previously quoted.

Bergamot—Sources said that firm listings continued to persist last week for this oil. Demand and supplies have been good. In August information from Italy noted that offerings there were above previous quotes. It was felt that this might affect the domestic market, but as yet this has proved to be untrue. Bergamot oil held a range of $12.75 to $14 per pound.

Bois de Rose—Shipping prices were still soft last week, and spot prices of both Peruvian and Brazilian grades were subject to shading. Brazilian oil was listed at a range of $2.20 to $2.75 while Peruvian material was low ranging from $1.95 to $2.55 per pound. This market has been sick for over a year now with over supply and lack of demand being the major ills. Despite continued reports from source that efforts are being made to curb the production situation, little headway has been made, and improvement is not expected in the near future.

Celery Seed—This oil was said to be firmer for shipment last week. Spot prices as well were seen to be moving higher. The advance in prices was attributed to rising costs of the spice. The listing ranged from $13 to $16 per pound.

Geranium—Reports from source stated that Algerian and Bourbon oils were tending to move lower last week. If this should be the case this would be a reversal of the sky-high listings that have been in effect for this oil for some time. Prices might be working lower due to the fact that new crop will be ready in about a month's time. Other reports, however, said that the coming crop will bring only temporary relief to this tight market. The most recent advance of three weeks ago put Algerian geranium oil at a range of $16.50 to $18.50 and Bourbon oil at a range of $18 to $22.75.

Hemlock—No changes have been recorded for this oil for some time now, sources reported. Hemlock oil remained at a range of $2.85 to $3.55 per pound.

Lemongrass—Another one of the essential oils to display a soft tone continued to be lemongrass oil. Listings are at an all time low ranging from 95c. to $1.50 per pound. Dealers in the trade have been hoping a reversal in this trend of over supply and listless demand might occur due to a falling output which in turn is the result of poor returns for producing the product.

Ocotea Cymbarum—Prices of this essential oil have been falling on spot of late, sources have reported. The present price ranges from 45c. to 95c. per pound for material in drums. At each decline producers have said that the bottom has been reached. The profit making margin is said to have gone past the vanishing point. However, over abundance of stocks and little demand leave producers no alternative but to continue to offer ocotea cymbarum oil at present levels or else get out of the market.

Orange—The most active consuming season of the year—the warm months—is almost over for this oil. Therefore, some of the pressure is off. The freezes that damaged the Florida orange crop caused a tight supply position; the oil was in good demand, but supplies were short so prices rose. At the end of last month both California and Florida brands of orange oil eased somewhat. The current listing for California oil ranges from $2.25 to $2.35, and Florida oil reads at a range of $1.85 to $2.30 per pound.

Patchouli—Among the ranks of soft oils continued to be patchouli oil last week. Slack demand and over supply were the reasons for this listless market. The price on spot ranged from $4.30 to $5.75 per pound.

Snakeroot—A price adjustment in the form of a decline took effect last week for snakeroot oil, sources stated. The material was reduced to a new range of $40 to $43 or $5 below what had been previously quoted. It would appear that demand for snakeroot oil had dropped somewhat.

Spearmint—This mint oil continued to work higher last week, people in the trade noted. The latest listing of spearmint oil is $5.50 to $6.50 per pound for material in drums. New crop which was ready at

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Essential Oils

the end of last month did not seem to abet the tight supply situation. Smaller production and buying by confectioners are the factors behind this rising market.

Aromatic Chemicals

Geraniol—Prices of the material were unchanged last week. Extra quality material was steady at a range of $2.50 to $3. Standard grade was ranged from $2.20 to $3.40, and soap grade geraniol held a reading ranging from $1.50 to $1.75 per pound for material in drums.

Linalool—The soft bois de rose oil market has affected the price of this aromatic chemical over the past months. Earlier this month the material eased further down the scale. The current listing of linalool, ex bois de rose, is $4.10 to $4.50 per pound.

Linalyl Acetate—Another bois de rose oil derivative to be influenced by the weakness of the oil is linalyl acetate. Two weeks ago the price of linalyl acetate, ex bois de rose, 90 to 92 percent, was lowered to $4.40, and 96 to 98 percent material read at $4.95 to $5.60 per pound.

Vanillin—This aromatic chemical with a vanilla-like flavor has been steady since the price advance put into effect several months ago by major producers. Prices rose due to the ever rising costs of production and labor. The price of vanillin in 100 pound fiber drums in 1,000 pound lots or more is $3; for material in 500 pound lots the price is $3.10; and for material in 100 pound lots is $3.25 per pound.

Seeds and Spices

Cassia—The spot market was feeling the pressure of limited interest last week. Futures are reasonably priced. Shipment levels do not appear to have been able to find a level to re-establish confidence in values.

Nutmegs—East and West Indian grades were moving steadily last week at full levels. Singapore has not received any new supplies, and arrivals there are priced higher than ours. West Indian nutmegs were listed at $1.90 while East Indian material was steady at $2.20.

Pepper—No changes occurred on the black pepper market. With Lampongs being detained, the spot market was somewhat tight. Singapore has been reluctant to offer material due to the unexpected costs of reconditioning on spot. India appeared to be the most active source.

The white pepper market was without action as well last week. Total stocks of red pepper were estimated to be under the normal size for this time of year. Arrivals of Santaka red pepper were being offered at good prices while still on the docks. Predictions say that the new crop is smaller than last years.

Vanilla Beans—Conditions remain unchanged, sources reported last week. About 30 or 35 tons remain for sale in Madagascar. In Mexico there is practically no material left unsold. Predictions are that the 1958 crop in Madagascar will be about the same size as last year's. Mexico anticipates a larger crop than the 150,000 or 200,000 pounds last year.

Bourbon beans were listed at a range of $10.60 to $10.80. Mexican whole vanilla beans ranged from $10.60 to $10.80 as well, and Mexican cuts from $10.50 to $10.70. Tahiti material was the same at $8.10 to $8.50 per pound.

Minerals Unit Set Up

—Continued from page 4

approved $4 millions of appropriations for OME operations.

As a result of congressional action on the enabling legislation, the OME program will differ from the previous DMEA program in three important respects:

Applicants must provide evidence that funds cannot be obtained from commercial sources on reasonable terms.

Interest will be charged from the dates federal funds are disbursed to operators.

Government participation in any one contract may not exceed $250,000.

The Secretary stated that the new program is not intended to provide federal funds for exploration projects that would ordinarily be undertaken by the applicant, at his sole expense, under current conditions or circumstances. The primary purpose of the program is to share with private industry the risks involved in carrying out those exploration projects which have good potential but which normally would not be undertaken with private capital.

Peppermint Up

—Continued from page 5

ing completion on September 1. Yields were very low in the Grant area but much higher in the other down-state areas.

In Indiana, August weather continued unfavorable for good oil yields and many fields have not yielded up to expectations.

Commenting on the spearmint crop, the board said that in Washington some second cutting was expected this month. Harvest of the first crop was completed in August. The season is further advanced than at this date in 1957.

In Michigan, dry, cool weather in August caused crop prospects to decline from earlier expectations. Yields are considerably below average. Distilling of the crop was nearing completion in all areas in early September. Indiana yields have also been much below average this season. Weather conditions throughout the growing season have been unfavorable, and wilt and rust infestations have limited oil output.

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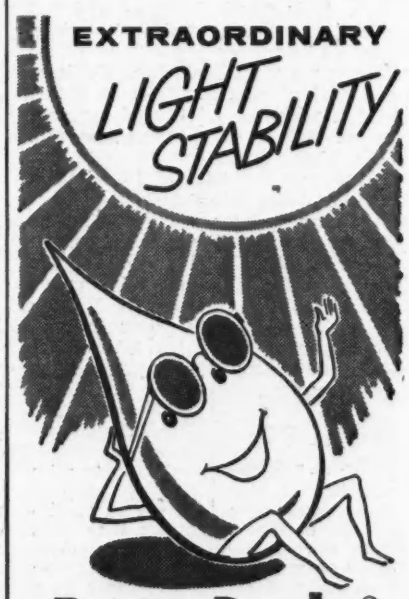

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Petroleum Derivatives

Conditions in the market hinged to some extent on the outcome of the present labor situation in the automobile industry. As reported earlier in this column, the industrial picture has been brightening somewhat for the past months and only the chance of further and deepening labor problems blots the immediate future. Government buying, according to some producers, has been hightened by military needs for such items as toluene. Another factor tending to buoy the market, has been the stride taken by the construction industry during the seasonal months. According to one producer, construction reached its peak during this past summer. On other sales fronts in the market, producers reported the first feelers of interest for fall stocks of heating oils. LPG's according to information, have held their own during the summer months. This is partially attributed to the fact that uses have become much more diversified than previously. Microcrystalline wax continued in a good position, it was said.

Price Trends

Advanced
None

Reduced
Solvent naphtha, 322-355 and 367-421 Fahrenheit, 3c. to 4½c. per gal.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
104.54	104.54	104.54	106.64

For Current Prices see page 9

Production of LPG's during June, according to a report by the Bureau of Mines, amounted to 4,715,000 barrels produced during May and the 4,471,000 barrels produced during June of the year previous. Production during the first six months of this year, the Bureau report notes, amounted to 28,259,000 barrels as compared with the 27,124,000 barrels produced during the first six months of last year. Domestic demand in June was tallied at 10,536,000 barrels as compared with the 10,919,000 barrels sold in May and the 9,813,000 barrels sold during June of last year. Demand for the first six months of this year amounted to 87,557,000 barrels as compared with the demand tally of 77,451,000 barrels during the first six months of last year.

Solvents and Diluents

Benzene—Conditions in this market remain unchanged. However, the labor situation became more critical in some areas of the automobile industry though it appears now that the situation might right itself before long. On the whole, the industrial economy upon which so much of benzene sales is dependent, has begun to perk up. Until the labor situation is clarified, of course, no true road can be found for benzene. However, once that is resolved, producers feel, the market should begin to take on some healthy coloring.

Solvent Naphtha—A major producer cut the price of two aromatics last week. The slash ranged from 3c. to 4½c. per gallon. The price cut was instituted, according to the producer, in order to make the aromatic listings more commensurate with those of xylene, which was reduced in price early last month. The producer stressed, however, that the materials are not competitive with xylene. Petroleum solvent naphtha 322-351 Fahrenheit, b.r., 15 centigrade, f.o.b. shipping point, is now listed at 29c. at Baytown, Tex.; 32c. in Chicago; 31c. in Bayonne, N. J., and 33c. in Pittsburgh. 367-421 Fahrenheit, b.r., 20 centigrade material is now sold at 30c. in Baytown, 33c. in Chicago and 32c. in Bayonne.

Toluene—The situation in this market continues on a previous footing with some pick-up in interest sparked by a growth in government buying interest. Producers of petroleum toluene stand at their withdrawn position of sale of material on a non-delivered basis. Previously some dealers has announced intentions of meeting coaltar producers at delivered price schedules. The government buying, according to some sources, should continue to gather strength in light of world political and military conditions. Any sort of preparedness program, no matter how limited in depth, would further contribute to the toluene strength factor. Another factor to keep under consideration is that of the upswing in the national industrial picture. Though there is still a tendency to lag, the general sentiment is that the first of the year should show a new market for many of the derivatives.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended Sept. 6. totaled 243,308,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 247,724,000 barrels for the preceding week, this represents a decrease of 4,416,000 barrels comprising a decrease of 3,367,000 barrels in stock of domestic crude and a decrease of 1,049,000 barrels in stocks of foreign crude.

LPG's

Production of butane-propane mix during the first two weeks of August was tallied at 31,657,000 gallons as compared with the 34,150,000 gallons produced during the last two weeks in July and the 33,472,000 gallons produced during the first two weeks of August of last year. Inventories of butane-propane mix at plants, terminals and underground were tallied at 32,640,000 gallons on August 15 as compared with the 30,436,000 gallons in stock at the end of July and the 34,458,000 gallons in stock on August 15, 1957.

Iso-butane—Production of this material during the first two weeks of August was computed at 21,539,000 gallons as compared with the 19,818,000 gallons produced during the last two weeks in July and the 17,539,000 produced during the first two weeks of August of the year previous. Stocks of iso-butane in plants, terminals and underground, were computed at 36,284,000 gallons on August 15 as compared with the 34,095,000 gallons on hand on July 31 and the 14,068,000 gallons on hand on August 15, 1957.

Waxes, Mineral

Stocks of all domestic petroleum waxes in June were tallied by the Bureau of Mines at 743,000 barrels. This figure was very similar to the May stock figure of 735,000 barrels and the 728,000 barrels in stock in June of the year previous. Stocks for the January to June period were computed by the Bureau at 743,000 barrels as compared with the 728,000 figure for the same period of last year. Exports of petroleum waxes were computed at 66,000 barrels in June as compared with the 78,000 barrels for May and the 74,000 barrels shipped in June of last year. Exports for the first six months of this year were computed at 403,000 barrels, something of a comedown from the 435,000 barrels exported during the first six months of last year.

Miscellaneous

Current reports of the industry for the week ended September 5 indicate an increase in crude oil production and an increase in crude runs, according to a report by the Bureau of Mines. The daily average output of crude (including lease condensate) was 7,060,000 barrels, an increase of 197,000 barrels from the preceding week. Daily average crude run to stills of 7,982,000 barrels were 45,000 barrels above the preceding week, and 288,000 barrels below the week ended September 6. Runs of foreign crude amounted to 921,000 barrels daily, compared with 1,120,000 barrels in the preceding week. For the four-week period ending September 5, crude oil production averaged 6,909,000 barrels daily, and crude runs to stills averaged 7,881,000 barrels daily with runs of foreign crude averaging 1,006,000 barrels daily.

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Coatings Materials

Pig lead strengthened last Wednesday, prodding red lead, litharge and orange mineral ¼c. per pound higher. Under the new schedule, carlot prices move up to 13¼c. per pound for 95 percent lead, 13.45c. for 97 percent, 13.60c. for 98 percent, 12¾c. for litharge and 15.85c. for orange mineral. Not much significance was attached to this advance. For the downtrend in prices had already come to a halt several months ago, and since then the market has just wavered back and forth fractionally.

Shellac, propped by floor levels at the source, continued in a steady trend. Orange grades moved here in fair volume at 38c. to 39c. per pound for lemon No. 1, 36c. to 27c. for No. 2 and 34c. to 35c. for superfine. Gums encountered good inquiry and moderate sales volume at steady quotations.

Manufacturers of dry colors will apparently hold off on price changes until the first of the year, as is customary in that field. An informed source in the trade said that barring a major setback in the economy's recovery, cost increases could be expected to show up in first quarter price lists.

Buying interest in dry colors was better than normal during the summer, offsetting to some extent a recession-dampended spring season. Advance orders for the fourth quarter are described as healthy.

Price shading has spread from DOP to include some other big volume phthalates, according to reports from the trade. It was understood that the major firms were adjusting prices to meet competition as it arose, but that the adjustments were only temporary. Trade sources suggested that the forthcoming advance in alcohol might push prices of the plasticizers back to normal. A potential decline of 4c. per pound in phthalic anhydride, however, places something of a hurdle in the way of price recovery. Until this matter is finally settled—late this year or early next—phthalate prices are likely to remain unsettled, observers say.

As reported in this space a week ago, fourth quarter prices for wood rosin have been posted by a major distributor. Grades K and M will be quoted at $7.80, N at $7.90, WG at $8.25 and WW at $8.60, carlots, f.o.b. producing plants. This move was a follow through on the company's disclosure that it would substitute a quarterly-basis for its previous policy of following daily changes in the market. Buyers had requested the change as an aid to stabilizing their own price lists.

Prime Pigments

Aluminum Paste, Powder—These pigments are steady in price at the advanced levels of August 1. At that time paste moved up 1c. to 69½c. per pound for extra-fine and 47c. for standard, while powder moved up 1½c. to $1.11 for refined and 81c. for standard. Higher labor costs, by way of an automatic wage increase, accounted for the move. Producers of the pigments had held off until the steel industry decided to raise tabs.

Antimony Oxide—Movement was at a seasonal pace, quotations holding at 24½c. per pound for carlots and 26c. for smaller shipments. Adequate supply will be on hand to meet needs of the approaching paint season, producers report.

The long range picture, as seen by trade sources, shows a gradual diminution of paint usage offset by growth in other lines and exploration into new uses.

Aluminum Paste, Powder—Quotations were steady and unchanged last week at the higher levels that went into effect August 1 on the heels of higher labor costs. Demand from makers of exterior finishes and roofing climbed seasonally and met adequate stocks.

Acetylene Black—While other materials were stumbling over the recession, this one found a consistently good market. High level procurement by the government, which needs the material for military equipment, was one factor keeping the market firm. Another was the civilian market for dry cell batteries.

Long-standing price lists quote carlots at 19c. per pound plus duty and freight, and smaller quantities at 24½c. to 30c. per pound, ex-warehouse.

Cadmium Colors—Prices for this group have been steady for quite some time and seem likely to remain so now that selenium metal has found a more realistic and stable price level.

During the years 1956-57 selenium fell steadily in price as supply loosened and demand shifted to other sources. This enabled makers of cadmium selenides to price the colors more competitvely and cured the previously existing supply shortage.

Price Trends

Advanced

Lead, red, ¼c. per lb.
Litharge, ¼c. per lb.
Mineral orange, ¼c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
101.45	101.45	101.45	100.75

For Current Prices See Page 9

Carbon Black—No price changes have been made in this line since the posting of a few advances last January. Demand from manufacturers of inks, carbon paper and colors held up well through the recession and is now reported to be moving upwards.

Dry Colors—The leading producers reported last week that no price changes were contemplated for the fourth quarter. It was expected that the rest of the industry also would hold to current levels.

The first of the year, however, is apt to usher in a number of upward revisions, particularly if the economy is back on its feet by then, as most expect. In this field the practice has been to absorb cost increases during the year, posting revisions only for January 1. Everyone's bookkeeping is helped thereby and customers are better able to calculate costs, trade sources point out. A sharp downward shift in demand, caused by a relapse in the economy, is about the only thing that could interfere with this practice, these sources say.

Lead Pigments—Pig lead strengthened last Wednesday and prodded red lead, litharge and orange mineral ¼c. per pound higher. Under the new schedule, carlot prices move up to 13¼c. per pound for 95 percent lead, 13.45c. for 97 percent, 13.60c. for 98 percent, 12¾c. for litharge and 15.85c. for orange mineral.

Zinc Pigments—Both major outlets, paint and rubber, are showing renewed interest. Rubber, being tied closely to the fortunes of the automobile industry, has been spurred back to the market by heightened activity in that quarter. Buying of raw materials by auto makers is expected to be brisk for the balance of the year. The outlook for next year will depend on the impression made on the public by 1959 models, trade sources say.

Lacquer Materials

Plasticizers have been in relatively good demand and all signs points to a brisk fourth quarter. Except in phthalates the price situation is stable, and the same applies to supply.

Shading of phthalate prices is said to have gained in prevalence through competition for the Fall market. Previously restricted to DOP, the practice has now spread to others in the group as smaller firms have stepped up efforts to corner a share of the market. The majors are meeting these prices informally as they arise, making no change in regular listings. This means, a trade source said, that the regular listings will apply any time the competition calls a truce.

The scheduled advance in alcohol prices, by increasing production costs, could pull prices up to normal. With the industry operating on narrow profit margins, cost increases are not easily absorbed, people in the trade point out.

Natural Resins

Copal Gum—The market has begun to find its fourth quarter pace. Emphasis is still on spot requirement, but volume is better. All grades are in good supply.

Congo is quoted at 25c. to 26c. per pound for No. 1, 22c. to 24c. for No. 2

Coatings Materials

and 15¾c. to 17c. for No. 3. Philippine grades list at 23¾c. to 26c. for pale chips, 33¼c. to 37c. for nubs, 20c. nominally for seeds and 22¾c. to 25c. for sorts.

Dammar Gum—Inquiry was good and actual sales volume fair. Stocks were sufficient to meet all needs.

Recent advances in Siam and Singapore grades have been firmly held. Siam is offered at 31c. to 34c. per pound, and Singapore at 37c. to 42c. for No. 1, 31c. to 34c. for No. 2 and 17c. to 19c. for No. 3 dust.

Shellac — Following establishment of floor prices at Calcutta, quotations here have been steady and unchanged. Orange grades list at 38c. to 39c. per pound for Lemon No. 1, 36c. to 37c. for No. 2, and 34c. to 35c. for superfine. Bleached, in bags, 1,500-lb. lots, lists at 46c. for bone-dry and 56c. for fully refined.

Miscellaneous

Casein—There was no appreciable change in the market last week. Scattered sales totaled only slightly better than in the previous week, dealers reported. Offerings of Argentine held at 19c. to 19¼c. per pound for later delivery, the lower figure predominating. Australian supplies were lighter and the material was quoted firmly at 20½c. to 23c. per pound. French material was unavailable.

Supply coming out of the current flush season in Argentina is expected to reach a good level. If stocks mount high enough to drive prices lower, observers say, the market could regain much of the ground lost to soya protein during the past year. Offered at a stable 19c. per pound, the latter material is exactly competitive in price and has the additional advantages of immediate delivery and relatively permanent price. To offset these advantages, observers say, casein needs to offer a significant price advantage.

Zein—Producers recently reduced the price of zein 10c. to 28c. per pound in lots of 36,000 pounds or more, f.o.b. plant.

Naval Stores

Rosin—Market tone was firm on all grades during the week ending September 12. Mediums were especially strong because of short supply at many sources. Overall sales: 2,229 drum equivalents, compared with the previous week's 2,803. Exports accounted for 32 percent of sales, the remainder consisting of 21.4 percent drums, 30.2 percent bags and 16.4 percent hot rosin.

Turpentine—Department of Agriculture reported increased trading during the week ending September 12, with prices holding about even. Overall sales: 90,875 gallons, 64.8 percent of which was exports, in contrast to last week's 18,000 gallons confined to domestic outlets.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. Sept. 12	Mon. Sept. 15	Tues. Set. 16	Wed. Sept. 17	Thurs. Sept. 18
Drums—					
N	...	$7.95	$7.95	$7.98	...
WG	$8.105‡	8.15	8.16	...	$8.22
WW	...	8.40	8.53	8.36‡	8.42‡
Bags—					
K	7.92[1]	...	...	...	...
N	...	7.57	...	...	...
WG	7.81	8.00	...	8.11	...
WW	...	8.25	...	8.21	...

Tankcars (for week ended September 12) M or better, $7.40; K or better, $7.58; $7.40.

Sales, USDA

729*	752*	394*	745*	719*

New York

(Per 100 lbs., c.l., Friday)

WW, $9.80; WG, $9.70; N, $9.20; K-M, $9.05.

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.503‡	...	.5025	.504	.50
Sales	12,000¶	...	6,000¶	18,000¶	8,000¶

New York, Friday, per gal. 7 lbs., tankcars, 63c., l.c.l., 82c.

* Drums equivalent. ¶ Gallons. ‡ Average price. [1] K or better.

Chemical Growth

—*Continued from page 5*

pearing on the world market, and if its leaders have their way, this will be much more noticeable in ten years time. The future of exports of chemicals from the United States is far from bright, the speaker said.

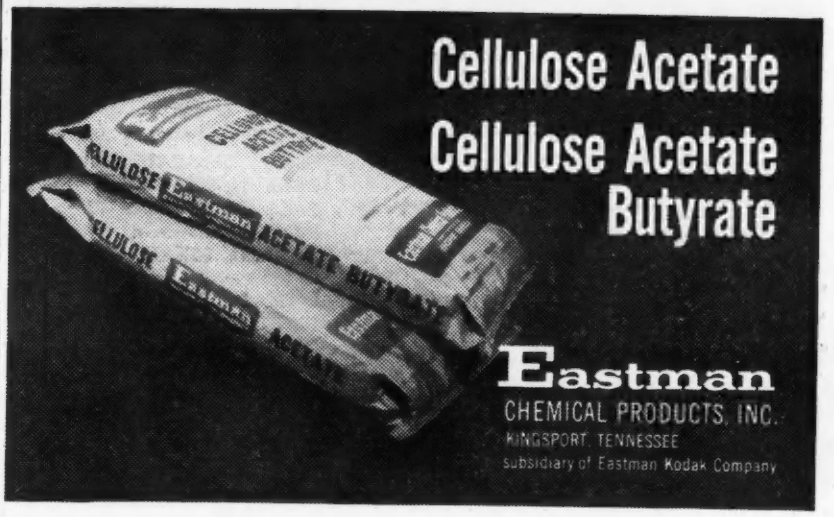
According to Dr. Landau, creativity in developing entirely new fields of activity is the most potent means of restoring the chemical process industries to the ascending growth curve typical of the early post-war years, and improvement of scientist-management relations is a major key to increase activity.

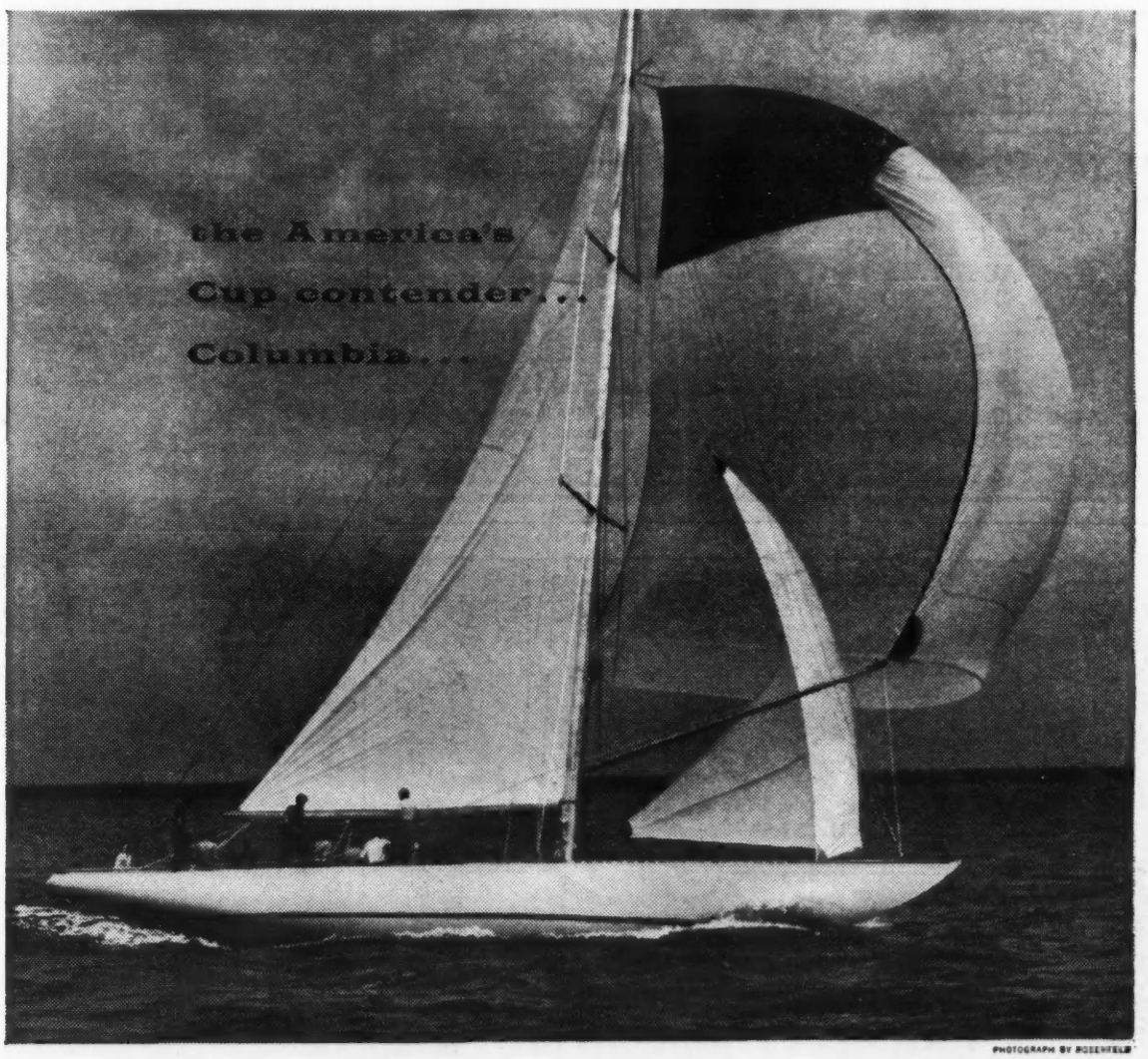
Research in the chemical process industries is big business, and the present expenditure of $500 million per year on research in the United States may be increased within five years to $1 billion per year. This is 10 percent or more of the research budget for all private industry in the country, Dr. Landau said.

But the diminishing flow of capital into domestic expansion in the chemical process industries is evidence that the productivity for this large research expenditure must be improved to meet the new competition, stated.

Distillation Service Explained

Trans Penn Wax Corporation, New York, reports that its new plant, which is now working on paraffin wax, can be used for other products as well. Thus, says the company, it is able to offer molecular distillation (high vaccum) toll service to all fields, not just to paraffin producers. This fact was not made clear in last week's OPD story.





PHOTOGRAPH BY ROSENFELD

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Men shown here are applying the Versamid-epoxy coating developed for the "Columbia" by *Tarr & Wonson*. The inner hull was given a Versamid coating too—for *double* protection.

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AMBER OIL—5 dms, Meer Corp, Puerto Cortes
ANNATTO SEED—360 bgs, First National Chicago, Callao
ANILINE DYES—35 dms, Sandoz Inc, Havre
28 dms, Putnam Chemical Corp, Hamburg
33 dms, Hensel Bruckmann & Lorbacher, Hamburg
31 dms, Hensel Bruckmann & Lorbacher, Bremen
93 dms, Geigy Chemical Corp, Bremerhaven
66 dms, Rotterdam
ANTIMONY OXIDE—112 bgs, C Gitlan, Antwerp
ARABIC GUM—14 bgs, W M Mahneke, Lagos
ASBESTOS FIBER—1,000 bgs, N American Asbestos Corp, Lourenco Marques
500 bgs, Davies Turner & Co, Durban
1,240 bgs, Johns Manville Corp, Capetown
960 bgs, Johns Manville Corp, Lourenco Marques
ASPHALT, PETROLEUM—87,074 bbls, Shell Oil Co, Curacao
BALSAM OIL—3 dms, George Uhe Co, Miragoane
BARBASCO ROOT—287 bls, National City Bank, Callao
BEESWAX—25 bgs, General Import Distributors, Havana
189 blks, Strahl & Pitsch, Assab
69 bdls, Koster Keunen, Massawa
99 bgs, International Commodities Corp, Valparaiso
40 bgs, Cornelius Wax Refining, Puerto Plata
33 bgs, Smith & Nichols, La Libertad
151 bgs, Chase Manhattan Bank, Lisbon
26 bgs, Tampico
BENZOIN GUM—7 cs, Irving Trust Co, Singapore
BERGAMOT OIL—12 cs, First National City Bank, Messina
12 cs, Lo Curto & Funk, Messina
20 pks, Noville Essential Oil Co, Messina
20 cs, Fleuroma Inc, Messina
46 cs, Messina
BILE, OX—16 dms, Wilson & Co, Santos
3 dms, Merck & Co, Durban
BOIS DE ROSE OIL—5 dms, Van Ameringen Haebler, Callao
11 dms, Lo Curto & Funk, Callao
BRONZE POWDER—10 cs, Leo Uhlfelder Co, Bremen
20 dms, Acme Bronze Powder Co, Bremen
35 dms, B F Drakenfeld & Co, Bremen
20 dms, Allied Manufacturing Co, Hamburg
110 dms, Wedemann & Godknecht, Liverpool
BURNT SIENNA—18 cks, Reichard Coulston, Leghorn
100 bgs, Chase Manhattan Bank, Larnaca
BURNT UMBER—240 bgs, Smith Chemical & Color Co, Larnaca
CALAMUS ROOT—30 bgs, Calcutta
CALCIUM CARBONATE—300 bgs, H J Baker & Bros, Liverpool
CALCIUM NITRATE—500 bgs, McKesson & Robbins Inc, Dalen
CALCIUM PHOSPHATE—20 dms, Roussel Corp, Marseille
CALCIUM PHOSPHATE, DIBASIC—500 bgs, Wessel Duval & Co, Antwerp
CANANGA OIL—10 dms, South Campor Trading Co, Singapore
CANDELILLA WAX—188 bgs, M Argueso & Co, Tampico
313 bgs, Tampico
CARAWAY SEED—200 bgs, Louis Furth, Rotterdam
100 bgs, Meer Corp, Rotterdam
300 bgs, Nieman Bros, Rotterdam
100 bgs, Rotterdam
CARBON, DECOLORIZING—38 cs, L A Salomon & Bro, Rotterdam
CARDAMOM—20 cs, Wm E Martin & Sons, Tuticorin
CARNAUBA WAX—134 bgs, Frank B Ross, Recife
84 bgs, Frank B Ross, Fortaleza Ceara
26 bgs, Herman Hollander, Fortaleza Ceara
CASEIN—1,000 bgs, National City Bank, Buenos Aires
140 bgs, F H Paul & Stein Bros, Buenos Aires
300 bgs, J R Spellacy, Rotterdam
250 bgs, Pacific National Bank, Hamburg
1,000 bgs, National Casein Sales, Montevideo
375 bgs, Hamburg
400 bgs, Rotterdam
CASSIA—675 bls, P H Petry, Saigon
68 bls, J Fitzgerald, Saigon
CASTOR BEANS—8,335 bgs, Baker Castor Oil Co, Salvador
51 bgs, Herbst Bros, Cap Haitien
CASTOR OIL—335 tons, Woodward & Dickerson, Salvador
300 tons, Salvador
200 tons, Recife
200,000 lbs, Recife
CELERY SEED—170 bgs, Louis Furth, Bombay
170 bgs, Dodge & Olcott, Bombay
85 bgs, Hismoco American Co, Bombay
CETYL ALCOHOL—62 ctns, Aceto Chemical Co, Liverpool
CHAMOMILE FLOWERS—20 cs, Meer Corp, Piraeus
CHARCOAL, BONE—100 bgs, Riches Nelson, Rotterdam
CITRONELLA OIL—25 dms, Givaudan Corp, Hong Kong
25 dms, Consumers Import Co, Hong Kong
CLOVE OIL—10 dms, Hanover Bank, Zanzibar
COALTAR DYES—16 dms, Hensel Bruckmann & Lorbacher, Hamburg
105 dms, Hensel Bruckmann & Lorbacher, Rotterdam
43 dms, Rotterdam
3 dms, Hamburg
COCOA LEAVES—125 bls, Maywood Chemical Works, Salaverry
COCONUT OIL—750 tons, American Trust Co, Cebu
131 tons, Rotterdam
495 tons, Manila
COCONUT OIL, HYDROGENATED—91 tons, Falek Products Co, Rotterdam
CODLIVER OIL—199 dms, Chase Manhattan Bank, Lisbon
CORN STARCH—200 bgs, American Key Products, Antwerp
220 bgs, Rotterdam
CRESYLIC ACID—91 dms, Van Oppen & Co, Liverpool
CUBE ROOT—214 bgs, Foreign Domestic Distributors, Callao
DAMMAR GUM—70 bgs, Chase Manhattan Bank, Singapore
42 bgs, O G Innes Corp, Singapore
96 bgs, Gillespie Rogers Pyatt, Singapore
28 bgs, France Campbell & Darling, Singapore
DEXTRIN—405 bgs, Manufacturers Trust Co, Rotterdam
500 bgs, Stein Hall & Co, Rotterdam
50 bgs, S S Stafford, Rotterdam
2,120 bgs, Rotterdam
DRY COLORS—400 bgs, Naftone Inc, Bremen
EARTH COLORS—300 bgs, Reichard Coulston, Leghorn
14 bbls, M Grumbacher, Leghorn
40 bgs, Smith Chemical & Color Co, Larnaca
1,665 bgs, Naftone Inc, Rotterdam
10 ctns, American Cyanamid Co, Rotterdam
890 bgs, Naftone Inc, Bremen
673 bgs, Rotterdam
EUCALYPTUS OIL—27 dms, Seville
FATTY ACID—55 dms, I R Boody & Co, Copenhagen
FENNEL SEED—30 bgs, Karl H Landes & E Balint, Bombay
160 bgs, M J Golombeck, Bombay
FENNEL OIL—2 dms, Polarome International Corp, Bremen
FISHLIVER OIL—2 dms, Chase Manhattan Bank, Yokohama
FUEL OIL—118,940 bbls, Gulf Oil Corp, Puerto La Cruz
117,178 bbls, Paragon Oil Co, Trinidad
128,929 bbls, Hess Inc, Curacao
108,068 bbls, Socony Mobil Oil Co, Caripito
110,136 bbls, Paragon Oil Co, Tampico
35,000 bbls, Metropolitan Petroleum Corp, Curacao
64,933 bbls, Esso Standard Oil Co, Las Piedras
FURFURAL—1,788,528 lbs, E I DuPont de Nemours, La Romana
GALL NUTS—66 bgs, Fouke Fur Co, Beirut
GALL, OX—2 dms, Milgate Chemicals Ltd, Brisbane
1 dm, Van Gelder Fanto Corp, Brisbane
GAMMA ACID—53 dms, L & R Organic Products Co, Rotterdam

—*Continued on page 63*

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Aliphatic Organics

Business volume, not only in almost every locality, but all across the nation was reported as being definitely on the upgrade this month. The only uncertain spot on the whole aliphatic chemical horizon was centered in the outlook for solvents as reflected by what happens in Detroit. Should there be a strike of any significant duration in the unsettled portions of the automotive industry, industrial recovery all along the line could be set-back but not stopped, in the view of most observers. Such an adverse development as an automotive strike, it was felt, would be a temporary delay to better business volume, but would not too adversely affect the overall 1959 picture.

About the only new developments pricewise for October 1, not previously reported here, was the 2 cent per pound advance slated for cyclohexanol and cyclohexanone, together with the new set-up in which cyclohexanol is now offered in tankwagon quantities at prices ½ cent per pound over tankcars.

Aliphatic alcohols, esters, and ketones have been moving well to industrial consumers of such solvents and intermediates. The Summer months proved to be better than anyone had anticipated, and September is seeing the beginning of a Fall spurt that is expected to gather momentum as the fourth quarter gets underway.

Price Trends

Advanced

None

Reduced

None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
130.53	130.53	130.55	131.11

For Current Prices See Page 9

October 1 Price Advances

Denatured alcohol, 5c. to 8c. per gal.
Di-, tripentaerythritol, 4c. per lb.
Ethyl alcohol, 5c. per gal.
Isopropyl alcohol, 5c. per gal.
Monopentaerythritol, ½c. per lb.

Sugars such as sucrose, dextrose, glucose and lactose were said to be moving well, some better than others, but buying interest being on the increase all across the board. Trading was still not showing too much of a spurt, but was definitely looking upward on the polyols, but prospects for the near future were not as bright here, as they appeared to be in the monohydric alcohols.

Acetone—The tankcar price of 8½c per gallon was expected to hold unchanged for the balance of the year. Supplies were, of course, quite abundant because the country's capacity to produce was well in excess of consuming demand. However, manufacturing costs have been running so close to selling prices that there is no longer any significant tendency on the part of producers to shade prices, despite keenly competitive influences at work in the market.

A quite significant amount of acetone is now produced as a by-product of the cumene process of manufacturing phenol. Synthetic phenol demand in 1958 has been off sharply, and this has cut down on the total amount of acetone production that has had to be disposed of in one way or another. While this has not been good for the phenol market as such, it has had a healthier influence on the acetone market.

Cyclohexanol—Effective October 1, the price structure of this solvent and chemical intermediate will be advanced 2 cents per pound across the board. On a delivered basis in zone 1, tankcars will be quoted at 26 cents per pound, drum carlots at 28c., and less than carlot drum quantities at 29½c. per pound.

The price pattern on this item has been quite steady for a long time. Meanwhile, labor, manufacturing, and shipping costs have advanced steadily. These accumulated costs have been absorbed by the manufacturers, meanwhile, but finally reached a point where some upward adjustment was necessary in order to partially offset the increased costs.

Cyclohexanol is used as a raw material and intermediate in the manufacture of plasticizers of the ester type, in the manufacture of other chemical products, such as lube additives, and as a solvent in organic finishes, and the dry-cleaning and textile industries.

In addition to the above price schedule usually listed in OPD, cyclohexanol will b offered in tankwagon quantities, minimum of 2,000 gallons, from agents stocks at a price of ½c. per pound over the tankcar price.

The Zone 1 area in which the above prices apply consists of the states east of the eastern boundries of Montana, Idaho, Utah, and Arizona. Prices in the far West are 1½c. per pound higher.

Cyclohexanone—The price structure of this item will be advanced 2c. per pound across the board, as of October 1. Rising freight and manufacturing costs were responsible for the higher price pattern. Tankcars will be listed at 31c. per pound, drum carlots at 34½c., and less than carlot drum quantities at 35c. per pound, f.o.b. producing plant.

Cyclohexanone is primarily used as a solvent in the protective coating industry, and is especially useful in vinyl resin solutions. It also has some use as a chemical intermediate.

Dextrose—Demand has been well sustained for this item in its various grades. Industrially, this aldohexose type sugar, which chemists like to describe as a dextrorotary glucose, competes favorably in many end uses with the higher priced sucrose. Bakery products are perhaps the largest consumers of dextrose by reason of the fact that in many cases it can replace sucrose pound for pound, at lower cost. There are many end-use patterns where dextrose can be used only as a partial replacement because of its hygroscopic nature.

Carlot prices on the more important grades of dextrose are as follows, per 100 pounds in carlots ex warehouse, New York, packaged in paper bags: Hydrated, $7.60 per 100 pounds; and anhydrous, $8.80 per 100 pounds. There is also available a special grade packaged in 100 and in 200 pound fiber drums with an aluminum barrier. For any quantity, the 200 pound drum is priced at $14.70 per 100 pounds, and the 100 pound drum at $15.20 per 100 pounds. On the regular commercial grades of hydrous and anhydrous material, less than carlot prices are 10c. per 100 pounds higher than carlot prices.

Dextrose prices have held to a steady and uniform price level, since mid-year 1956. This price stability has been of advantage to the sale of the product, because not being subject to so many fluctuations, consumers can figure their costs with some assurance that costs will hold for a reasonable length of time, and purchases and consumption patterns can be planned accordingly. Time was when prices on corn syrup and on dextrose were tied to the corn commodity market and tended to fluctuate virtually every week. The fact that this is no longer the case has tended to lend stability to many sections of the industry.

Glycerine—Supplies of this polyol were quite amply available to meet all calls. Synthetic production has become a sufficient proportion of the overall refined glycerine consumption to have a quite significant influence on the stability of price patterns. This is generally the case, when industrial synthesis assumes a major portion of the output of what was once strictly a natural commodity, because natural commodities are more affected by supply, demand and trading market influences, than are synthetic products with more constant cost structures. A better example of this principle than glycerine are such monohydric alcohols as ethanol and methanol.

Isopropyl Alcohol—As covered in detail in the previous issue of OPD, the various grades of isopropanol will be advanced 5c. per gallon across the board, effective October 1.

2-Methyl Pentaldehyde—The commercial availability of this item in tankcar quantities is relatively new. It is a pure six carbon aldehyde which undergoes the usual reactions common to aliphatic aldehydes. It is insoluble in water but

—Continued on page 56

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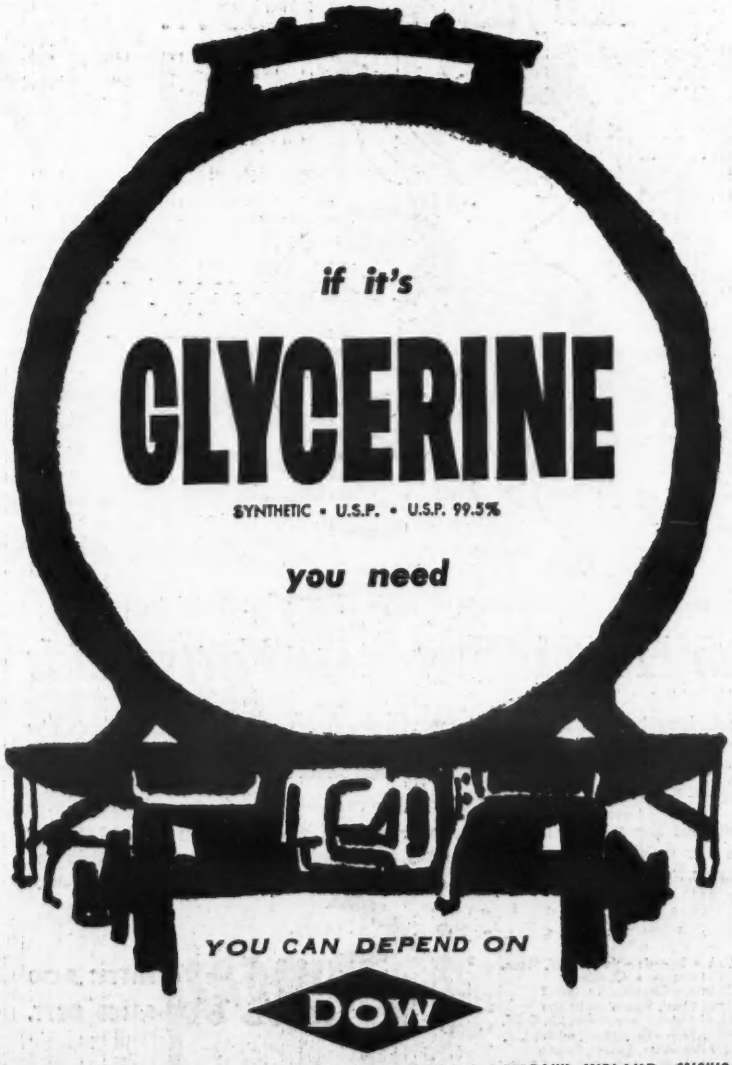

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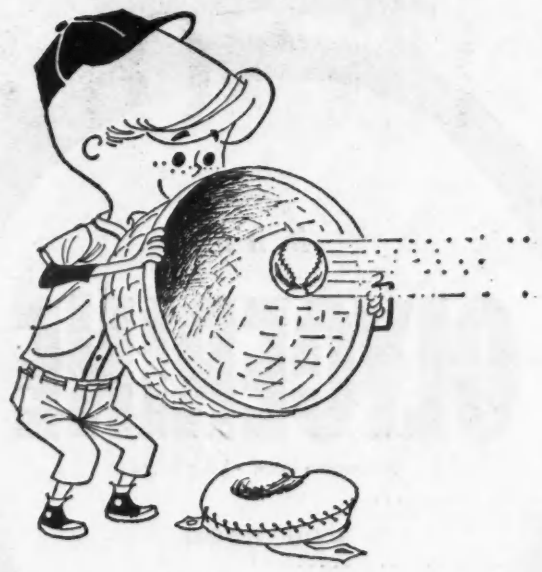

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Oils, Fats and Waxes

While trading was still spotty in oils and fats a steady tone prevailed in edible oils except soybean oil. Soybean oil was irregular and early advances were not sustained, the market closing unchanged for the week. Cottonseed oil was steady and slightly higher. Peanut oil also was firmer as a result of scarcity of supplies. Firm tone featured crude coconut oil. Moderate trading reported at unchanged prices, which could not be shaded. Copra was stronger and higher for shipment.

Tallow and greases continued unsettled and moderate volume of business took place at slightly lower levels for domestic delivery. Export business continued inactive. Cash lard was easy and dropped sharply. This weakened other edible animal fats, resulting in fractional declines in edible tallow, oleo oil and oleo stearine.

Improved demand and curtailed output strengthened soybean meal and prices were lifted $1 per ton, for prompt shipment. Linseed meal was firm, reflecting limited offers for nearby delivery. Cottonseed meal demand was quiet and market was easy.

Linseed oil was firmer with flaxseed and advanced 3/10 cent per pound. New business was quiet, but withdrawals improved last week. Trading in tung oil was limited to nearby delivery at the recent decline. Other drying oils moved in a hand to mouth manner. No. 1 Brazilian castor oil continued steady at prevailing prices. Crude menhaden was unchanged and well held. Menhaden fishing was poor on the Atlantic and Gulf coasts.

Higher cost of coconut oil resulted in an advance of 1 cent per pound for coconut fatty acids, capric, caprylic, lauric and myristic acids last week.

Price Trends

Advanced

Caprie acid, 1c. per lb.
Caprylic acid, 1c. per lb.
Coconut fatty acid, 1c. per lb.
Copra, $2 per ton.
Cottonseed oil, crude, ¼c. per lb.
Refd., ¼c. per lb.
Lauric acid, 1c. per lb.
Linseed oil, 3/10c. per lb.
Linseed oil acid, 3/10c. per lb.
Myristic acid, 1c. per lb.
Peanut oil, crude, ¼c. per lb.
Refd., ¼c. per lb.
Soybean meal, $1 per ton.

Reduced

Greases, ¼c. per lb.
Lard, cash, ½c. per lb.
Oleo oil, ¼c. per lb.
Oleo stearine, ½c. per lb.
Tallow, edible, ½c. per lb.
inedible, ¼c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
108.33	107.53	109.90	118.22

For Current Prices See Page 9

Vegetable Oils

Castor—This market was unchanged and steady. Trading was limited to prompt needs. No. 1 Brazilian was maintained at 16c. per pound, tankcars, New York, prompt delivery. Domestic oil was quiet and quoted at former levels.

Import of castor beans and castor oil at New York and Philadelphia last week were as follows:

	Pounds Castor Beans	Castor Oil
Last week	1,257,900	1,670,000
Previous week	....	1,120,000
Corresponding week, 1957	249,900	3,768,000
Total this year	10,616,800	53,103,000
Corresponding period, 1957	13,029,700	76,128,660

Coconut—Crude was unchanged and steady. Tankcars were sold at 14½c. per pound, f.o.b. Pacific coast, September shipment and at 15⅜c., New York basis.

Corn—Trading was light and spotty. Crude sales were light at 12c. per pound, tankcars, f.o.b. mills. Refined was quoted at 15.73c., tankcars, New York, prompt delivery.

Cottonseed—Trading in futures was light and scattered on the New York Produce Exchange last week. Market was a dull and narrow affair, advancing on reports of rains delaying the harvesting of cotton and soybeans crops. Prices scored light gains which were not sustained when weather conditions improved later in the week and the market closed at new seasonal lows. September tenders were increased to 112 contracts and stopped.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, September 19, follow:

	Sales	High	Low	Close
		Cents per pound		
Sept.	12	13.25	13.05	Exp.
Oct.	71	13.12	12.85	12.97@13.02
Dec.	294	13.07	12.76	12.82S
March	133	13.13	12.83	12.85@12.88
May	44	12.98	12.85	12.88S
July	39	13.06	12.75	12.78@12.81
Sept.(1959)	1	12.75	12.75	12.50@12.75

Total sales and switches, 594 contracts.

Cash oils were steadier with crude oil. Refined salad was firmer and lifted to 14½c. per pound, tankcars, New York, prompt delivery. Trading in crude oil was moderate at a fractional advance. Sales were reported at 11⅜c. per pound, tankcars, f.o.b. mills, southeast; 11¼c., Valley; 10¾c., Lubbock and 10⅞c., Waco.

Linseed—Market was higher, reflecting the advance in flaxseed. Crushers raised prices 3/10c. per pound. Raw oil was lifted to 13.2c. per pound, tankcars, f.o.b. Minneapolis, September-December; 13.4c., January-March and 13.6c., April-June, same basis. Deliveries against contracts continued to move in moderate volume.

Flaxseed—Market stronger. Bids raised 5c. per bushel.

Minneapolis.—Firmer undertone developed in this market and crushers bids were lifted to $3 per bushel, spot and to-arrive, basis Minneapolis. Harvest is virtually completed in southern and western Minnesota and South Dakota. In North Dakota, about 40 percent has been combined and about 25 percent more swathed.

Receipts and shipments of flaxseed, in bushels, were as follows:

	Receipts 1958-59	Receipts 1957-58	Shipments 1958-59
Past week	1,293,250	1,435,000	162,750
Since Sept. 1	4,439,750	2,256,250	485,500

Oiticica—Trading was limited to actual needs. Tankcars were offered at 16½c. per pound, New York, prompt delivery. Drums were quoted at 18c. to 18½c. per pound, as to quantity.

Olive—Business was reported limited to actual needs. Interest in shipments also was slow. Tunisian oil was quoted at $58 to $59 per 100 kilo, drums, c. and f. New York. Greek oil offers have been withdrawn. Spanish oil was nominal at $61 to $62 per 100 kilos, drums, f.o.b. shipping port, subject to obtaining export license. Oil on spot was unchanged at $2.50 to $2.60 per gallon, drums, duty paid, according to quantity.

Palm—This market was quiet and unchanged. Drums ranged from 14c. to 15c. per pound, spot, as to quantity. Tankcars were available at 11½c., prompt delivery.

Peanut—Crude offers were scarce and market was firm. Sales were reported at 15¼c. per pound, tankcars, f.o.b. mills, southeast and 15½c. Virginia. Refined oil was quoted at 18¾c. per pound, tankcars, New York basis.

Rapeseed—Moderate demand continued for actual needs. Tankcars were unchanged at 16c. per pound, New York, prompt. Drums were held at 17½c. to 18c., spot as to quantity.

Soybean—Firmer tone prevailed in crude and trading took place at 10c. per pound, tankcars, unrestricted, Decatur for September delivery but closed at 9¾c. October was sold at 9.7c. and 9⅝c. bid for October-November. Refined salad was higher at 12⅜c., tankcars, New York, prompt delivery.

Soybean Oil Futures

Sales and prices of crude soybean oil futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, September 19, follow:

Sales	High	Low	Close
	Cents per pound		

No trading last week.

Total sales, 0 contracts and switches.

Tung—Light demand was noted at 21c. per pound, tankcars, New York, nearby delivery. Drums were unchanged at

Oils, Fats and Waxes

22½c. to 23c. per pound, according to quantity.

Miscellaneous

Cocoa Butter—Market was quiet and ranged from 96c. to $1.01 per pound, spot, delivery, according to quantity.

Copra—Shipments were firm and higher. Prompt was quoted at $197 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—This market continued unsettled and trading took place at slightly lower levels. Yellow grease ranged from 7⅛c. to 7¼c. per pound, tankcars, delivered. Choice was lower at 8¼c., same basis.

Lard—Cash lard was sharply lower and available at 12½c. per pound, drums Chicago. Trading was reported spotty.

Oleo Oil—Market was easy and fractionally lower. Extra was quoted at 17¾c. to 18c. per pound, drums, as to quantity. Oleo stearine was lower at 13½c. to 14c., same basis.

Tallow—Prices were easier and off slightly. Moderate sales for domestic account took place in bleachable fancy at 8c. per pound, tankcars, delivered. Prime was quoted at 7¾c.; special, 7½c. and No. 1, 7¼c., same basis. Edible tallow declined to 11c., tankcars, same basis. Export business was slow. Guaranteed fancy was quoted at 9¼c., drums, f.a.s. and bulk, 8.4c. to 8½c., same basis.

Fish Oils

Cod—Labor dispute on Newfoundland docks still prevailed and affected trading. Market remained steady and unchanged. Sales before the strike took place at 8¼c. per pound, drums, exdock prompt shipment and market was firm thereat. Stocks on spot ranged from 9c. to 9¼c., drums, as to quantity.

Menhaden—Trading was light and spotty. Crude was nominal at 7c. to 7⅛c. per pound, tankcars, f.o.b. works. Menhaden fishing was reported light on the Atlantic and Gulf coasts. Refined light pressed oil unchanged at 10½c. per pound, tankcars, New York basis.

Fatty Acids

Higher cost of coconut oil resulted in an advance of 1c. per pound in capric, caprylic, coconut, lauric and myristic acids. Consuming inquiry improved and moderate volume of trading was reported in most varieties. Animal and vegetable fatty acids were quotably unchanged and steady.

Cake and Meal

Cottonseed Meal—Trading continued spotty, lacking volume. Meal, 41 percent was quoted at $57 per ton, sacked, Memphis; $58. Alabama; $62, Georgia and South Carolina, September delivery.

Linseed Meal—Market remained unchanged and steady. Demand was fairly active and offers for nearby were limited.

Minneapolis.—Prices were firm in this market, influenced by steady demand for nearby supplies and limited offerings. Modest increase occurred in interest for deferred delivery though such trading was light. Users continued to withdraw against balances at rapid pace. Extracted meal, 34 percent, was quoted at $49 to $49.50 a ton, bulk, in carlots, f.o.b., Minneapolis for September delivery and $50 to $50.50, October-December. Old process expeller, 32 percent, was at $56 a ton for September and $56.50, October/December.

Shipments of linseed meal, in pounds, were as follows:

	1958-59	1957-58
Past week	11,040,000	13,860,000
Since Sept. 1	32,040,000	42,420,000

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Unadols should add shelf life, palatability, emulsion stability, neutral pH characteristics, and other benefits to many formulations. By protecting the essential unsaturation through conversion to alcohols, the tendency to rancidity is reduced. (Unsaturated fatty acids themselves usually become rancid in a relatively short time.)

A limited number of people have worked with Unadols and like them for possible uses in pharmaceutical and cosmetic preparations. Frankly, though, not enough work has been done along this line. So about all ADM can do at this point is to tell you what is known about the pharmaceutical Unadols and show you the specifications. We hope your curiosity and desire for something better will spur you on to write for evalution samples.

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Palmitic	14%
Stearic	85%
Oleic	1%

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Oils, Fats and Waxes

veloped in this market in reversal of recent trend. The effects of curtailed production and moderate pickup in feed business was reflected in good demand for soybean meal. There was distinct shortage of meal for nearby delivery and no immediate signs of alleviation. Crushers noted best volume of sales in two months, with limited amount of buying for needs through October. Soybean meal for quick shipment advanced $1. Meal, 44 percent meal was held at $60 a ton, unrestricted, bulk, Decatur, for prompt shipment; $56 to $57 for delivery first half October; $54 to $55 last half October.

Waxes, Vegetable

Consuming demand for most grades was confined to actual needs last week, while improved interest was noted in carnauba, especially in fatty which displayed a steadier undertone than yellows. Offers of fatty for shipment from Brazil were limited and firmly held which brought increased inquiry for spot and forward delivery. Prices were without change but steady. Trading in candelilla was light and spotty and unchanged prices. Crude beeswax was inactive and more or less nominal. Refined beeswax was unchanged and quiet.

Aliphatic Organics

—Continued from page 53

miscible with alcohol and other organic solvents. Its present price structure, f.o.b. producing plant, is 57½c. per pound in tankcars, 60c. per pound in carlot or trucklot drum quantities, and 61c. per pound in less than carlot or trucklot drum shipments.

Molasses—The markets for feed grade cane molasses were unchanged and steady during the week. Demand in the South and Mid-west was described as very slow, and no more than moderate in the rest of the nation. Citrous molasses is in short supply.

Trichloroethylene—BDSA reports that output of trichloroethylene during the first third of 1958 averaged about 15 per-

Ethyl Alcohol: July

Volume of ethyl alcohol produced, withdrawn and remaining as stocks at the end of the indicated periods, as reported by the Alcohol and Tobacco Tax Division, Internal Revenue Service: Domestic undenatured alcohol production represents gross production (original production plus production by redistillation) less the quantity consumed in redistillation. Stocks of domestic undenatured alcohol consist of quantities at industrial alcohol bonded warehouses and denaturing plants. Data on completely and specially denatured alcohol represent alcohol produced from domestic and imported alcohol and spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol).

	July 1958	*July* 1957
NET PRODUCTIONS		
Undenatured ††	39,338,533	35,709,134
Completely denatured.... *	41,806	25,070
Specially denatured..... *	7,889,100	6,737,318
WITHDRAWALS		
Undenatured, tax paid.... †	600,077	724,789
Tax free..... †	36,663,921	38,466,377
Completely denatured.... *	38,486	21,070
Specially denatured..... *	18,792,905	18,983,767
STOCKS AT END OF PERIOD		
Undenatured ..... †	37,757,307	28,542,001
Completely denatured.... *	21,923	13,570
Specially denatured..... *	6,786,478	5,555,705

† Proof gals.
* Wine gals.

cent below that of the same period in 1957. At the same time, the government agency noted that imports had fallen off, amounting to 6.9 million pounds in the first quarter of '58 compared with 9.6 million pounds in the corresponding period of a year ago. In the second quarter of this year, however, imports increased to about 8 million pounds and are still giving domestic producers something to think about.

Fertilizer Use Seen

—Continued from page 7

times as much fertilizer could be used on the forest land, with profitable return to the owners, than is now being used on all the other cultivatable lands of the county.

Against the present consumption of 6,700 tons of fertilizer in the farming areas of the county, totalling some 125,000 acres, Mr. Tremblay said that the 900,000 acres of forest land could profitably use 20,000 tons of fertilizer alone. In addition proper use of fertilizer on the land already being treated, he added, could add another 5,100 tons to the total.

The point made by Mr. Tremblay that forestry operations could probably include fertilization was supported by others at the meeting.

George Schroeder, of Crown Zellerbach Company, said that proper use of our timber resources requires utilization of all the good management practices presently known, in addition to developing many new methods in the future.

"Naturally," he added, "proper use of fertilizers and farm chemicals will play an important role in the future, if the economics prove feasible."

Ray Austin, forester for Crown Zellerbach, reported that "forest fertilization experiments conducted by our company show fertilizer increased leader growth on seedlings up to 60 percent, in addition to giving a much better survival on the stand."

West German Chemical

—Continued from page 7

for energy sources (coal, gas, electricity) increased, coal rising 8.5 percent between 1956 and 1957.

Other costs also were higher; steel prices were up 5.5 percent and machine construction 4.4 percent from 1956 averages.

Half of the industry's coal requirements was met from domestic sources. With an increase of 200,000 metric tons in consumption, the purchase of foreign coal, primarily from the United States, was necessary as in 1956.

But despite this shortage, the chemical industry did not increase its use of fuel oil, the consumption of which actually dropped in 1957.

Carbide Will Build

—Continued from page 3

from the Seadrift plant which previously was confined to the manufacture of ethylene oxide, glycols, and polyethyene.

The combination of available raw materials, good labor supply, room for expansion, and desirable water transportation, in addition to good rail transportation facilities, dictated the choice of Seadrift as the location for the new units.

It is expected that products for markets in the midwest may be barged to distribution points on the Mississippi and Ohio rivers, while products for the east coast may be shipped by tanker to Carbide's terminal at Carteret, N. J., to supplement the usual rail and truck transportation when the units are in production in 1960.

Bids Wanted

Chlordane, 76,474 gals., 1 gal. cans, insecticide, liquid, Bid 141, Oct. 13, US Navy Purchasing Office, 3rd Ave. and 29th St., Brooklyn 23, N. Y.

Dichloromethane, 60,000 gals., tech., grade B, Bid 231, Oct. 7, Naval Aviation Supply Office, 700 Robbins Ave., Philadelphia 11, Pa.

Dieldrin, 90,000 lbs., 10%, insecticide, granulated, Bid 58, Sept. 29, Procurement Div. Air Proving Ground, Elgin AFB, Va.

Lindane, 22,278 lbs., 15 lb. drums, 75% lindane, insecticide, powd., water dispersable, Bid 142, Oct. 13, US Navy Purchasing Office, 700 Robbins Ave., Philadelphia 11, Pa.

Monochlorodifluoromethane, 198,400 lbs., Bid 34, Sept. 26, Contracting Officer, AMC, Olmstead AFB, Middletown, Pa.

Paint, 2,400 gals. white, 2,000 gals. black, cellulosic derivative type, Bid 4-740, Sept. 26; 1,000 gals., oil paint, green, 1,000 gals. oil paint, medium green, Bid 4-697, Sept. 26; 2,832 1-gal. cans, stencil paint, type 1, Black, Bid 4-739, Sept. 26; 3,352 gals., type 2, orange, grade A, Bid 7-748, Sept. 29; 39,000 gals., lusterless, sand obliterating, yellow, Bid 4-769, Sept. 30; 1,930 gals., traffic paint with glass beads, yellow, taxiway, Bid 4-777, Sept. 30, General Stores Supply Office, 700 Robbins Ave., Philadelphia 11, Pa.; 520 gals., 5-gal. cans, oil concrete paint, ext, white, spec. P-24A, Bid 243, Sept. 26; 1,600 gals., gloss, synth., green, spec. E-489, Bid 238, Sept. 25; 378 gals., lusterless, quick drying, ammo green, spec. E-10067A, Bid 242, Sept. 29, US Army Engineers, 180 New Montgomery St., San Francisco, Calif.

Silica, amorphous, 100,000 lbs., suitable for use in formulation of printing inks, Bid BEP-77, Oct. 3, Bureau of Engraving and Printing, 14th and C Sts., Washington 25, D.C.

Sulfuric acid, 800 tons, made by contact process, 60° Baume, Bid 8, Sept. 26, US Army Engineers, 1st and Douglas Sts., Washington 25, D. C.

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Textile, Leather Chemicals

Consumer demand for textile and leather chemicals continued to show moderate improvement last week. Business, however, was restricted to prompt requirements, with interest in later needs still limited. Prices were without change and generally maintained at prevailing levels. Chemicals moved in fair volume. Sizing materials were in moderate request and ruled steady. Interest in tanning materials was light, with occasional sales noted for nearby shipment.

The incentive price for shorn wool was announced at 62 cents per pound and 70 cents per pound for mohair for the 1959 marketing year, it was announced by the Department of Agriculture last week. These prices have been in effect since the present wool program was started in 1955. Under the wool and mohair programs, the government makes payments to producers to offset the difference when average market prices fall below the incentive level.

Shipments of cellulosic man-made fibers (excluding acetate staple + tow) totaled 86,600,000 pounds in August, 9 percent over July but 2 percent under August, 1957, according to the Textile Economics Bureau. August shipments for domestic totaled 84,700,000 pounds and exports, 1,900,000 pounds.

Rayon high tenacity yarn shipments in August totaled 22,700,000 pounds, up 4 percent from July and only slightly under August, 1957 shipments of 23,100,000 pounds. But for the year to date, aggregate shipments amounting to 170,500,000 pounds were 28½ percent under January-August deliveries last year.

Imports of rayon staple in June, the latest month for which figures are available, was 5,602,000 pounds or a decline of 14½ percent from the May level of 6,548,000 pounds. West Germany was the largest exporter to the United States in June with shipments of 1,005,000 pounds or 18 percent of the total. France was the next largest shipper with 917,000 pounds or 16½ percent. For the first six months of 1958, imports of rayon staple aggregated 38,398,000 pounds, 18 percent less than for January-June, 1957.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(1926=1949 average)

Last week	Prev. week	Last month	Sept. 20, 1957
100.83	100.83	100.84	103.52

For Current Prices See Page 9

Chemicals

Bichromates—Buying interest improved with sales reported moderate chiefly for prompt requirements. Prices were steady and unchanged for all grades.

Hydrogen Peroxide — Consumers absorbed moderate lots for immediate delivery. Quotations were maintained at current levels.

Sodium Acetate—Trading was light and confined to actual needs. Prices were without change.

Sodium Hydrosulfite — Moderate improvement was reported for prompt delivevery. Market remained steady at prevailing quotations.

Sulfonated Oils—Small lots were better demand for immediate delivery. All varieties were quotably unchanged.

Sizing Materials

Albumin Egg—Steadier tone prevailed as a result of better consuming business. Prices were raised in one quarter, but the advance was not general. Flake ranged from $1.05 to $1.09 per pound and powdered, $1.09 to $1.13 per pound, depending upon seller and quantity. Technical remained unchanged and steady at 1.08 to $1.10 per pound, spot, as to quantity.

Egg production in August was indicated at 4,673 millions against 4,975 millions in July and 4,569 millions, August last year. Total output for this year through August amounted to 41,076 millions compared with 41,768 millions during the same period last year.

Corn Dextrin—Business was improved, but restricted to prompt needs. All grades were unchanged and well held. Gum was quoted to $9.40 per 100 pounds, paper bags, carlots, New York basis; dark canary, $9.24, light canary, $9.14 and white, $8.98, same basis. Less carlots were 15c. higher.

Corn Starch—Demand was slightly better for immediate requirements. Prices were unchanged and steady. Pearl was quoted at $7.38 per 100 pounds, paper bags, carlots, New York basis and powder, $7.50. Less carlots were 15c. higher. Visible corn supply declined 1,282,000 bushels to 73,395,000 bushels for the week ended September 12. This compared with 104,748,000 bushels for the corresponding week last year according to the Chicago Board of Trade.

Corn crop estimate was increased to 3,588,766,000 bushels as of September 1 by the Department of Agriculture. This compared with 3,487,159,000 bushels, August 1 and 1957 production of 3,402,832,000 bushels. Ten-year average (1947-56) was 3,144,304,000 bushels.

Potato Starch — Consuming demand continued restricted to spot requirements. Interest in carlots lagged, as buyers preferred to await prices for new crop material. Stocks on spot moved in fair volume at 8¼c. to 9¼c. per pound, exwarehouse, depending upon quantity. Carlots were nominal at 6½c. per pound, f.o.b. mills, Maine less ¼c. for shipment below the Mason-Dixon line. Idaho starch was unchanged at 6.35c., carlots, mills, less ½c. for delivery to eastern points.

Estimate of the potato crop as of September 1 was indicated at 259,046 cwt. compared with 256,344 cwt., August 1; 1957 production of 239,439 cwt. and 10-year (1947-56) average of 228,615 cwt.

Sago Flour—Increased trading for shipment to European points stiffened the Singapore market. Prompt shipment were steadier at 5¼c. per pound, carlots, exdock. Spot stocks were unchanged. Raw was held at 7¼c. to 7½c. per pound, exwarehouse and refined, 9c. to 9¼c. same basis as to quantity.

Tapioca Flour—Interest in replacements from Siam was fairly active, with moderate trading reported at unchanged quotations. B grade was maintained 5.15c. per pound, carlots, exdock, prompt shipment and A, 5.35c., same basis. Brazilian flour was quiet and nominal. B grade was quoted at 6.2c., exdock, prompt shipment and A grade at 6½c., same basis.

Tanning Materials

Chestnut Extract — Buying interest lagged, but replacements were maintained at prevailing quotations. Solid extract, 60 percent tannin was named at 8:55c. per pound, carlots, exdock, prompt shipment and 68 percent powdered 9.69c., same basis.

Cutch—Demand was restricted to occasional lots for prompt shipment. Shipments were held at 7½c. per pound, exdock.

Mangrove Bark—Consuming inquiry was quiet. Replacements were unchanged and fairly steady. African bark was quoted at $67 to $68 per ton, exdock. Colombian was unchanged at $50 per ton, exdock and Ecuadorian, $47, same basis.

Myrobalans—Trading continued slow. Shipments were quotably unchanged. Genuine J1's was quoted at $50 to $51 per ton, exdock, prompt shipment; crushed J1's, $65 to $66 per ton, and Bombay, $44 to $45, same basis.

Quebracho Extract—Steady tone prevailed, despite quiet trading. Shipments were held at former levels. Solid clarified, 64 percent was held at 10.8713c. per pound, carlots, exdock, prompt shipment and solid ordinary at 9.9228c., same basis.

Wattle—Business was spotty, and confined to nearby shipment. Fair average was quoted at $68 per ton, exdock, prompt shipment and merchantable, $64, same basis. Extract was unchanged. African 60 percent was held at 8.275c. per pound, and South African at 8.4c., carlots, exdock, prompt shipment.

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Antibiotics Trust Case Moves to Second Stage

—Continued from page 3

which forms the heart of FTC's charges against the drug makers.

These paragraphs allege that Pfizer, Bristol and Cyanamid withheld information from the Patent Office in connection with the filing of patent applications and, as a result, Pfizer was able to procure a patent on tetracycline.

It is also charged that Cyanamid, Bristol, Olin Mathieson and Upjohn solicited and accepted licenses from Pfizer to produce tetracycline, knowing that Pfizer submitted "false, misleading and incorrect information" to the Patent Office.

The complaint charged that there was no real invention or novelty in the claims for the tetracycline patent. It said that the alleged invention was being used and sold in this country for more than a year prior to the application for the patent and, furthermore, the subject of the patent was "obvious at the time of the filing of the respective applications for the patent to any one having ordinary skill in the art."

Commission Asked for Details

The various motions asked that the commission identify by trade names the particular antibiotic products involved in the conspiracy, identify the illegal price agreements, identify the false and misleading information given to the Patent Office and identify the persons, times, places and manner in which each company is claimed to have entered into the conspiracy.

Typical of the questions raised by the industry in its motions were those contained in the memorandum accompanying the Pfizer motion. The nature and particulars requested are illustrated by the following summary:

(a) When did the acts and practices charged in the complaint allegedly occur?

(b) What specific products are involved in each of the charges?

(c) In what specific acts and practices are Pfizer and the other respondents claimed to have engaged in accomplishing the alleged monopolization, attempted monopolization and price-fixing?

(d) Do the charges of price-fixing and illegal resale price maintenance agreements refer to wholesale prices, retail prices, jobber prices or other prices?

(e) Does the charge of illegal resale price maintenance agreements refer to "fair trade" contracts? If not, to what agreement does this charge refer?

(f) Who are the "competitors and potential competitors" referred to in the complaint?

(g) In what market areas of the United States were the acts charged allegedly committed?

(h) What are the statements made by Pfizer to the Patent Office which the commission charges were false, misleading and incorrect? In what respect are they claimed to have been false?

(i) What is the material and probative information which is alleged to have been withheld from the Patent Office?

(j) To what prior art, prior knowledge or use, and prior public use or sale does the commission refer in charging that tetracycline was unpatentable?

(k) In what respect is it claimed that the licenses of the tetracycline patent granted by Pfizer to the other respondents were invalid?

Pfizer said that it was requesting only the most basic information required to answer the commission's charges and to prepare its defense and that there are ample precedents for granting such a request.

It said that the allegations of monopolization, price-fixing and illegal licensing and cross-licensing agreements are no more than the "bare bones" of various antitrust laws and fairness requires that the requested information be furnished to add some substance to the skeleton.

Acme Shellac Appoints

Acme Shellac Products Company, Newark, N.J., has appointed George Burns technical director. He was formerly group leader of the wax and coatings section of Foster D. Snell, Inc. Previously he was with International Printing Ink Corporation. Mr. Burns will direct new product development and customer technical services for Acme.

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Brand NEW Continuous Soaker or Reactor comprising Three Unj. Hor. Agt. Steel Vessels 4' x 20'; welded.

3 A. O. Smith Stainless Lined Pressure Tanks; 10' x 18'7"; 11,000 gal. like new condition.

Blaw Knox Stainless Reactor or Resin Kettle, 7'6" x 7'6"; welded; jacketed; agitated.

4 Stainless Steel 5000 gal. Closed Top Tanks, welded construction; 10' diameter; agitated.

Steel Reaction Kettle; 1500 gal.; ASME; 72" x 62"; jacketed; agitated; motorized.

2 Steel Retorts ASME 250#; 90 gal. 2' x 4'.

A. T. & M. Stainless 60" Centrifugal Extractors; link suspended; center slung; vapor-tite.

Tolhurst 40" center slung, rubber covered Basket & Curb; Monel Plow; 2 speed motor.

Merco Type 316 Stainless Centrifuge Model B 9; 15 HP XPL.

Sharples Stainless Super-D-Canter; 10 HP.

Sharples H2 Nozzlejector; 1000 GPH; XPL motor.

Stainless Steel Heat Exchangers, to 4000 sq. ft.

Big Single Punch Tablet Presses; Colton No. 5½; 4T Stokes Model T and Kux Model 60 A—

J. H. Day 3 Roll Lab. Mill 5" x 12"; water cooled.

Laboratory 2 Roll Rubber Mills; 6" x 13"; 8" x 16".

Filter Presses in Stainless, Aluminum, Cast Iron and Wood from 7" to 42" complete.

INCONEL Double Effect Evaporator by Zaremba 850 sq. ft. and 430 sq. ft.; with Calandria.

SWENSON Quadruple Effect Long Tube Vertical Film Type Evaporator complete unit.

MOJONNIER Stainless Steel Vac, Pans; 3' x 10'; 6' x 12'.

ZAHM & NAGEL Evaporator or Continuous Concentrator; 2500 lbs. water per hr.; for rapid evaporation.

DEVINE Calandria type Single Effect Evaporator with Downcomer Tube, and Barojet Condenser.

Rotary Cutters by Abbe, Ball & Jewell, Whitin, Leominster, Sprout Waldron, all sizes.

Pittsburgh Lectro Dryer Type BWC; size 3500.

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Bagley & Sewell Double Drum Dryer, 28" x 60".

Buflovak Dbl. Drum Dryer, 40" x 120" complete.

Hersey Rotary Gas Fired Counter Current Dryer; 5' x 26' complete accessories.

Stokes Rotary Jacketed Dryer, 18" x 8'.

Louisville Stainless Steel Indirect Fired Dryer; 30" x 28'.

American Dbl. Door Sterilizer; 30" x 48" x 84".

Brine cooled Crystallizers; 24" x 12' x 21".

Stainless Lined Rotary Dryer, 50" x 20' with Oil Burner, Combustion Chamber, etc.

Day Cincinnattus Stainless Steel 300 gal. Jacketed Double Arm Mixer; XPL motor.

Lancaster Mix Muller Mixer Type EAG; Bowl size 45⅜"; capacity 5½ cu. ft.

Porcelain and Buhrstone Lined Pebble Mills; 30" x 42"; 37" x 48"; 6' x 6'; 8' x 8'.

Sifters and Screens by Day ReBall; Orville Simpson Rotex, Gyro Whip; Patterson, Robinson.

4 Stainless Mikro Pulverizers Model No. 2; other Mikros from Bantam size up to No. 4.

American Pulverizer Ring Roll Crusher; 30" x 37"; 50 HP.

National Erie Extruder 6" x 66"; Jacketed Head; complete.

Stainless Mikro Atomizer No. 5; motorized.

Tumbling Batch Mixers; 17 cu. ft., 75, 300 cu. ft.

Munson Rotary Mixer No. 7; 160 cu. ft., 15 HP.

Day Hi Speed 3 Roll Mill; 14" x 30" water cooled with 25 HP motor; late model.

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2—1500 gal. Pfaudler, glass lined, jacketed, agitated Reactor.
1—500 gal. Walters, 304 S.S. jacketed, agitated Reactor, 4' x 5'.
1—500 gal. Blaw-Knox, 347 S.S. jacketed, agitated Reactor.
1—1400 gal. Blaw-Knox, steel, jacketed, agitated Reactor.
1—550 sq. ft. Buflovak, monel, single effect Evaporator.
1—250 sq. ft. Buflovak, 304 S.S. forced circulation Evaporator.
1—20 sq. ft. Buflovak, 304 S.S. forced circulation Evaporator.
1—3500 gal. 304 S.S., jacketed, agitated Tank, 9' x 7'.
2—5000 gal. 304 S.S. horizontal Tanks, 6'6" x 20'.
1—9400 gal. 316 S.S. horizontal Tank, 8'6" x 19'.
1—4000 gal. Haveg, vertical Tank, 8' x 12'.
1—12,000 gal. horizontal, steel Pressure Tank, 7'6" x 36', 200 psi.
8—Stainless Heat Exchangers; 1220, 942, 786, 536, 396, 315, 250, 157 sq. ft.

CENTRIFUGES

3—Bird; 32" x 50", 24" x 38", 18" x 28", 316 S.S., Solid Bowl, Continuous.
1—Bird 24" x 38", Monel, Solid Bowl, Continuous.
1—Bird 18" x 28", steel, Solid Bowl, Continuous. NEW.
2—Sharples PY14, PN14, Super-D-Canters, 316 S.S.
1—Sharples C20 Super-D-Hydrator, 316 S.S., XP construction.
3—Bird 40" suspended, 347 S.S., perforated basket, TEFC motor.
1—Bird 40" suspended, rubber covered, perforated basket.
1—Hercules 40" center-slung, rubber covered, perforated basket.
1—Tolhurst 30", 304 S.S., underdriven, perforated basket.
2—Sharples #16, 304 S.S., 3 HP motor.

FILTERS

2—Feinc 5' x 6', Stainless, Rotary Vacuum.
2—Oliver 8' x 8', rubber covered, Rotary Vacuum.
2—Sparkler 33S28 Filters, 150 sq. ft., 304 S.S.
1—Niagara 36H110 horizontal Filter, 110 sq. ft., 304 S.S.
1—Sparkler 33-S-17 steel Filter, 92 sq. ft.
1—#12 Sweetland Filter, 48 leaves, 3" centers, 640 sq. ft.
2—#10 Sweetland Filters, 27 leaves, 4" centers, 250 sq. ft.
1—Sperry 18" x 18" Filter Press, 316 S.S., 23 chambers.

DRYERS

1—Devine Vacuum Shelf with 19—59" x 78" shelves.
2—Devine Vacuum Shelf with 6—40" x 43" shelves.
2—Overton 42" x 120", Atmospheric, Double Drum.
1—Overton 12" x 19", Atmospheric, Double Drum, chrome rolls.
2—Devine 5' x 12', 4' x 9', Atmospheric, Single Drum.
2—Devine 3' x 8', TEFLON Coated, Rotary Vacuum.
2—Louisville Rotary Steam Tube, 5' x 20', 6' x 50'.
2—Rotary Kilns, 10' x 120', 6' x 50'.
3—Rotary Dryers; 6' x 50', 5'6" x 50', 5' x 30'.
2—Link Belt; 7'5" x 25' Monel, 6'4" x 24' 316 SS, Roto Louvre Dryers.

MIXERS

1—Baker Perkins #16TRM, 150 gal., jacketed, sigma blades, Vacuum, 50 HP motor.
1—Baker Perkins #15VUMM, 100 gal., jacketed, Dispersion blades, 100 HP motor.
1—Baker Perkins #15JNM, 100 gal., jacketed, Sigma blades, 30 HP motor.
5—Day "Cincinnatus" double arm, 250 and 100 gal.
1—Day D10 Powder Mixer, 304 S.S., 7½ HP motor.
5—Steel, jacketed Powder Mixers; 50, 225 and 350 cu. ft.

PULVERIZERS — MILLS

1—Hardinge 4½' x 24" Conical Ball Mill.
2—Abbe 5' x 6', 4' x 5', silex lined Pebble Mills.
5—Jeffrey Hammer Mills; 20" x 12", 15" x 8", motor driven.
3—Mikro Pulverizers; 4TH, 3TH and 2TH.
1—FitzMill model D, 304 S.S., 7½ HP motor.
2—Kent, Ross, 6" x 14" Three Roll Mills.

MISCELLANEOUS

3—Swenson Walker Continuous Crystallizers, 24" x 30' sections.
3—25 ton Freon Refrigeration Units.
4—Rotex Sifters; 40" x 84", 60" x 84", Double Deck.
3—Robinson Gyratory Sifters, 30" x 104", Triple Deck.
8—Stokes DD2, B2, "R", and "F" Tablet Presses.
10—Nash Vacuum Pumps; H6, L5, L3, TS7, #2, MD572.
25—Chlorimet, Durimet and Duriron Centrifugal Pumps, 1½" to 6".

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CENTRIFUGES: 1—Bird 32" x 50" solid bowl continuous, 316 S.S.; 4—Sharples C20 Super-D-Hydrators, 316 S.S.; 2—Sharples PN14 Super-D-Canters, 316 S.S.; 1—AT&M 30" suspended perforated basket, 316 S.S.

FILTERS: 1—Eimco 10' x 12' rubber covered Rotary Vacuum; 2—Oliver 8' x 8' Precoat rubber covered Rotary Vacuum; 1—Oliver 3' x 4' lead Rotary Vacuum; 4—Sperry 36" rubber covered Plate & Frame, 30 chambers; 4—Sperry 36" PVC sprayed, 30 chambers; 4—Sperry 42" aluminum, 36 chambers.

EVAPORATORS and CRYSTALLIZERS: 2—Swenson 350 sq. ft. lead Evaporators, Everdur tubes; 4—Struthers-Wells 9' dia. x 22' high rubber lined Vacuum Crystallizers; 1—Struthers-Wells 8' dia. x 26' high rubber lined Vacuum Crystallizers.

PULVERIZERS and MILLS: 4—Raymond 5 roll high side Mills #5057, Double Whizzer Separator; 1—Williams 4 roll high side "Standard" Mill, Whizzer Separator; 5—Mikro Pulverizers, 4TH, 3TH, 2TH, motor driven; 2—Abbe 5' x 16' brick lined Mills; 1—Complete Micronizing installation including Pulverizers, Hoppers, Conveyors, etc.

ROTARY KILNS: 1—Traylor 11' x 155'; 1—Vulcan 8' x 125'; 2—Vulcan 8' x 50'; 2—Vulcan 6' x 60'.

ROTARY DRYERS: 1—Traylor 5' x 50'; 1—5' x 24'; 1—4' x 25'; 1—4' x 20'; 1—Proctor & Schwartz 8' wide x 60' long Conveyor Dryer, S.S. belt.

RUBBER LINED TANKS: 1—15' x 20'; 1—14' x 30' Scrubber Tank; 2—14' x 10' agitated; 2—12' x 12' agitated; 4—10' x 10' agitated; 1—10' x 8' agitated; 1—10' x 18'; 2—9' x 9'; 1—9' x 10' agitated; 1—8' x 40' Scrubber Tank; 1—8' x 24' Scrubber Tank; 1—8' x 8' agitated; 1—6' x 8' agitated; 2—5' x 6' agitated; 1—4' x 6' agitated.

LEAD LINED TANKS: 1—15' x 20'; 1—15' x 12'; 2—12' x 14' agitated; 1—12' x 12'; 2—10' x 8'; 1—8' x 12'; 1—8' x 10' agitated; 2—8' x 7' agitated.

STEEL TANKS: 1—12' x 15'; 1—10' x 12' agitated; 2—10' x 10'; 1—8' x 30' pressure; 4—8' x 30'; 1—8' x 14'; 6—8' x 10' agitated; 1—8' x 8'; 1—8' x 6' agitated; 1—5' x 12'.

COMPRESSORS: 1—Worthington 1000 cfm, 30 psi; 1—Sullivan 1000 cfm, 30 psi; 1—Ingersoll Rand 500 cfm, 30 psi; 1—Ingersoll Rand 300 cfm, 180 psi.

VACUUM PUMPS: 1—Ingersoll Rand 500 cfm; 2—Worthington 500 cfm; 1—Joy 500 cfm; 1—Ingersoll Rand 300 cfm.

MISCELLANEOUS: Steel Buildings; 2—Shepard Niles 20 ton Overhead Cranes; 4—Cottrell lead lined Precipitators; 2—Permuttit Water Softeners; 5—Dorr Thickeners 70', 50', 40', 16' and 14' dia.; 2—Sweco 4' dia. Stainless Separators; 1—Bemis 50# Bag Packer with sewing machine conveyor and flattener; 3—16" Belt Conveyors; 3—Bucket Elevators 65 to 125 ft. high; Redler Conveyors 5" and 10"; Screw Conveyors 6" and 9"; 150—LaBour, Durco, Worthite, Duriron and Stainless Steel Centrifugal Pumps, 2" to 6", with motors.

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4—SS fermenters, 750 gal., ASME 30# int. & jkt., 10 HP XP agit.
2—SS fermenters, 125 gal., ASME 30# int. & jkt., 2 HP XP agit.
5—Pfaudler glass lined reactors; 30, 100, 300 gal., jkt. & agit., ASME.
1—T316 SS rotary vac. filter, 18" dia. x 12" face, Eimco.

ALSO — Tanks, suppository machines, tablet counters, Ertel filter, incubators, motors, pumps, laboratory equipment, 1 gal. autoclave, etc.,

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24—200 gal. Baker Perkins jkt. sigma-blade mixers, #17-VII.
12—30" Sperry P.&F. filter presses, C.I., 17 chambers, closed delivery.
2—30" Sperry "Ni-Resist" P. & F. filter presses.
50—Lead valves up to 12" dia.

ALSO — Steel tanks, pumps, motors, transformers, piping, etc.

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REACTOR KETTLES

1800 gal. steel, 180# Jkt. agit.
1500 gal. steel, ASME 600# WP, 150# Jkt., Agit.
1000 gal. Pfaudler, G/L, ASME.
1000 gal. steel, Jkt. & agit.
750 GAL. T304 SS, ASME 30# WP, 30# JKT., 10 HP XP AGIT.
600 gal. steel, ASME 120#.
600 gal. Pfaudler, G/L, agit.
500 gal. nickel, anchor agit., Jkt.
500 gal. G/L, 75# Jkt., agit.
465 gal. T304 ELC SS, 175# WP, 165# Jkt.
450 gal. T347 SS, agit., 15# Jkt.
300 GAL. G/L, VAC. INT., 75# JKT., XP Agit.
125 gal. SS, Jkt., agit.
100 gal. SS, ASME vac. int., 75# Jkt., UNUSED.
100 gal. G/L, vac. int., 75# Jkt.,
30 gal. G/L, vac. int., 75# Jkt.,
30, 60, 100 gal. alum. Jkt., agit.

STAINLESS STEEL TANKS

10,500 gal., horiz., UNUSED.
5,700 gal., horiz., UNUSED.
5,200 gal., horiz., ⅛".
5,200 gal., vert., UNUSED.
4,500 gal., vert., UNUSED.
3,590 gal., Trailer, sanitary.
3,400 gal., horiz., ¼".
3,290 gal., horiz., sanitary.
3,000 gal., vert., VACUUM.
3,000 gal., vert., 14 ga., UNUSED.
2,100 gal., vert., VACUUM.
2,000 gal., vert., 14 ga., UNUSED.
2,000 gal., vert., T316 SS, ¼".
1,750 gal., vert., 3/16", (hoppers).
1,600 gal., vert., 10 ga., SS.
1,400 gal., vert., ¼", SS.
STEEL TANKS — 450,000, 61,000, 42,000, 9,450, 7,700, 5,600.
ALUMINUM TANKS — 7000, 4000, 3000, 2175, 1400, 48, 360 gal.

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ROTARY: 8' x 115', 8' x 70', 7' x 120', 6' x 50', 6' x 30', 5'6" x 50', 4'8" x 33', 4'6" x 40', 4' x 30', 4' x 24', 3' x 15', 4' x 12' — SS.
DOUBLE DRUM: 42" x 120", 42" x 90", 32" x 72", 22" x 38".
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EVAPORATORS — STILLS

625 SQ. FT., T347 SS, SINGLE EFFECT, VACUUM.
588 SQ. FT., SS, VERT. LONG-TUBE, DBL. EFFECT,BUFLOVAK.
400 SQ. FT., NICKEL, VERT. LONG-TUBE.
250 SQ. FT., NICKEL, VERT. LONG-TUBE.
250 SQ. FT., SS, FORCED CIRCULATION, T304, SS, BUFLOVAK.
236 sq. ft., T316 SS, Dbl. effect
26 sq. ft., T316 SS, single effect.
20 sq. ft., SS, forced circulation.
6' dia. SS Vacuum Pans, sanitary.

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#80-30, vert., T304 SS, 76.8 sq. ft., JACKETED.
#45-30, vert., T304 SS leaves, 45 sq. ft., steel tank.
4—SPARKLER #33S-28, 151 sq. ft., T304 SS leaves, steel or T304 SS tank.

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SHARPLES C-20, C-27 SUPER-D-HYDRATORS, T316 SS.
Sharples #AS-16, SS, 1953.
Sharples #16, clarifier & separator types, T304 SS.
Sharples #18-V, Tinned steel.
Bird 18" x 28", steel, horiz.
Bird 24" x 38", Monel, horiz.
Bird 24" x 24", Monel.
DeLaval #BUH-3930, Hermetic clarifiers, T304 SS.
Titan Super-jector, T304 SS.

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KOMAREK-GREAVES, 27" DIA. x 23" W ROLLS, 1¼" x 2½" x 2¼", 25 TONS/HR., 75 HP.
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10' x 12' Eimco 350 sq. ft., R/C.
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1—Badger type 316 SS condenser, 480 sq. ft.
2—Badger type 316 SS heat exchanger, 400 sq. ft. and 62 sq. ft.
2—Patterson Kelley steel heat exchangers, 1,000 sq. ft. each.
6—Struthers Wells heat exchangers, 885 sq. ft. each.
100—SS pumps from 20 GPM to 1500 GPM.
2—Acme type 316 SS mixing tanks, 400 gal. with coils and Model 33G50 Lightnin agitators.
3—Type 316 SS pressure tanks, 200 gal. 300 PSI.
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1—McKee Dowtherm vaporizer, 150,000 BTU.
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1—Feinc SS rotary string filter, 3' x 3' (NEW).
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10—Sweetland #12 filters with 72 SS leaves.
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1—Sweetland #3 SS filter, 70 sq. ft.
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1—Stokes double drum dryer 5' x 12'.
1—Stokes SS rotary vacuum dryer, 2' x 6'.
1—Buflovak double drum dryer, 42" x 120".
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1—Tolhurst 26" steel suspended type centrifuge, complete with perforate basket and motor.
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30—Struthers Wells type 316 SS heat exchangers, 650 sq. ft. each.
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2—Blaw-Knox Distillation Units, 3' x 40', complete (NEW).
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1—Sperry Filter 42", open del., 40-plate, 41-frames.
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1—Louisville Steam Tube Dryer 6' x 35'.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill 5' x 22'—Buhrstone Lined.
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Grinders, Rietz RD18—fitzmill F16—or equivalent sizes by other manufacturers. SS preferred. With or without motors. Give full details, model, type, etc., when replying. OPD 619.

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Complete Plants Vitamin production equipment for Vitamins E—B1—B2—B6—B12, based on soybean as a raw material; others such as pharmaceuticals and medicinals plants. Send complete details and availability to Hal Delphin, 94 Beekman Street, NYC.

FACILITIES OFFERED

Custom Processing—blending, oxidizing, polymerizing, esterifying—stainless steel equipment —toll basis—facilities located metropolitan North Jersey. OPD 618.

MATERIALS OFFERED

Hexachlorethane. Offers invited for approximately six tons fine powdered Hexachlorethane. OPD 616.

Below Market:: 7625 gallons prime isobutanol; 26,100 gallons recovered methanol Fort Wayne, Indiana area; Higher Alcohol Mixtures; redistilled MEK and MIBK regularly available; Lacquer thinner; 1000 pounds each phthalocyanine blue toner, permanent red-2B, lithol rubine toner. Broker inquiries invited. Mercury Chemical Corp., 45 Janet Lane, Springfield, N. J. DRexel 6-3220.

For Immediate shipment 1000 Cases (24—5 lb. cans, each) Caustic Soda Flake (J. P. Baker brand) F.O.B. Rome, New York. Advise quantity you want and we will quote prices. Telephone: REliance 5-4700, Arthur S. LaPine and Company, 6001 South Knox Avenue, Chicago 29, Illinois.

PLANTS WANTED

Want To buy small chemical company, dead or alive, preferably equipped for making chemical intermediates. Please submit preliminary details on location, equipment, nature of business, profitability, cost and terms. OPD 617.

POSITIONS OFFERED

Chemist-Salesman for small manufacturer of fine chemicals and pharmaceuticals. High salary plus benefits for able ambitious man who expects to attain a responsible managerial position. Please submit confidential resume to OPD 607.

Analytical Pharmaceutical Chemist with knowledge of Ampul production wanted by nationally known pharmaceutical firm. Good opportunity. Write OPD 620.

REPRESENTATION OFFERED

Progressive New Jersey chemical manufacturer seeks established sales agents for Philadelphia and Baltimore areas. Contacts with textile mills and metal finishing trade desirable. Factory assistance assured and liberal commission arrangement offered. OPD 613.

REPRESENTATION WANTED

Massachusetts Chemical sales corporation seeks manufacturers to represent in the New England area. Specially interested in products for use by the paint, rubber and plastic industries. Thoroughly experienced and competent personnel. Reply OPD 615.

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(J. P. Baker brand)
F.O.B. ROME, NEW YORK
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Advise Quantity You Want
and We Will Quote Prices
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77 VARICK STREET NEW YORK 13, N.Y. WO 6-4533

Current Market Quotations

—Continued from page 31

Xylidines, mixed o-m-p, dms., c.l., or t.l., works	lb.	.39	—
dms., l.c.l., same basis	lb.	.40	—
tanks, same basis	lb.	.38	—

Xylol

Xylol quotations, both coaltar and petroleum, may be found under Xylene.

Y

Yara yara oil, cns.	lb.	2.15	3.05
Yeast brewers, debittered, USP, Saccharomyces dlvd	lb.	.27	—
Dry, USP, 50 Int'l B units per gram 100-lb dms	lb.	.47	—
90 Int'l B units per gram, 100-lb. dms	lb.	.52	—
200 Int'l B units per gram, 100-lb. dms.,	lb.	.56	—
300 Int'l B units per gram, 100-lb. dms	lb.	.60	—
Torula USP dlvd	lb	18	—
Yerba santa leaves bls	lb	40	42
Ylang-ylang oil, Bourbon bots	lb	19.00	25.00

Yellow Pigments

Yellow pigment quotations are listed individually. For example, prices on Yellow, benzidine, may be found in the B's under Benzidine yellow.

Ylang-ylang oil, Bourbon, extra, bots	lb.	28.00	40.00
Madagascar, bots	lb	No Stocks.	
Yohimbine hydrochloride, bots, tins	oz.	4.75	5.25

Z

Zein, bgs., 36,000-lb lots or more, f.o.b. plant	lb.	.28	—
bgs., 500-lb. lots or more, dlvd.	lb.	.343	—
bgs., smaller lots, dlvd	lb.	.373	—
Zinc acetate, NF, VIII dms.	lb.	.53	—
Tech., dms., l.t.l., works	lb.	.29¾	—
Zinc borate, bgs., 1,000 lbs. or more, works	lb.	.23	—
bgs., less than 1,000 lbs., same basis	lb.	.25	—
Zinc chloride, NF, gran., dms	lb.	.42	—
Precip., powd., dms.	lb.	.26	—
Soln., 50% dms., c.l., works, 100 lbs.		5.80	—
dms., l.c.l., works, 100 lbs.		6.40	—
tanks, works, 100 lbs.		5.15	—
Tech., fused, dms., c.l., works, 100 lbs.		10.70	—
dms, l.c.l., works, 100 lbs.		11.20	—
gran., fib. dms., c.l., works, 100 lbs.		11.43	—
fib dms., l.c.l., works	100 lbs.	11.95	—
Zinc chromate, bbls., dlvd.	lb.	.29	—
Basic, bbls., dlvd.	lb.	.34	—
Zinc cyanide dms. 1,000-lb. lots or more, works	lb.	.55	—
dms., smaller lots, works	lb.	.57	—

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Zinc dust., comi., bbls. c.l., works	lb.	.1360	—
Pigment, bbls., c.l., works	lb.	.14	—
bbls., l.c.l., works	lb.	.15	—
Zinc fluoride, bbls., works	lb.	.49	.50
Zinc hydrosulfite, dms., c.l., frt. alld	lb.	.21½	—
dms., l.c.l. frt. alld	lb.	.23½	—
Zinc metal, prime western slabs, E. St. Louis	lb.	.10	—
Prime western, slabs, New York,	lb.	.10½	—
Zinc naphthenate, liq., 8% Zn., dms., frt. alld	lb.	.27	—
10% Zn, dms., frt. alld	lb.	.33	—
Zinc nitrate tech. cryst., bbls., works	lb.	.20	—
Zinc oxide pigment, American process, lead-free bgs. c.l., frt. alld	lb.	.14½	—
bgs. l.c.l., same basis	lb.	.15½	—
leaded, 35%, bgs. c.l., mills, frt. alld	lb.	.15½	—
bgs., l.c.l., same basis	lb.	.16½	—
50%, bgs., c.l., same basis	lb.	.15⅝	—
bgs., l.c.l., same basis	lb.	.16⅝	—
Zinc oxide pigment, French process, green seal, bgs. c.l., mills, frt. alld	lb.	.16¼	—
bgs., l.c.l., same basis	lb.	.17¼	—
red seal bgs. c.l. same basis,	lb.	.15¼	—
bgs. l.c.l. same basis	lb.	.16¼	—
white seal, bgs., c.l., same basis	lb.	.16¾	—
bgs., l.c.l., same basis	lb.	.17¾	—
USP, ctns. c.l., frt alld	lb.	.17¼	—
ctns., l.c.l. same basis	lb.	.18¼	—
Zinc oxide Pac Coast prices 1c. higher			
Zinc phenolsulfonate, NF gran., dms	lb.	.44	.45
NF, powd., dms.	lb.	.47	.48
Zinc resinate, precip 7.2-7.6% Zn. dms. frt. alld	lb.	.36½	—
Zinc silicofluoride, dms., works	lb.	.12½	.14
Zinc stearate, tech. USP ctns, c.l.,	lb.	.41	—
Zinc sulfate, powd., monohydrate, ctns., l.c.l.	lb.	.42	.46
36% Zn., bgs., c.l., dlvd. E	100 lbs.	8.75	—
bgs., l.c.l., dlvd. E	100 lbs.	9.75	—
USP, gran., dms.,	lb.	.26	—
Zinc sulfate in bbls. 40c. higher.			
Zinc sulfide, pure, bgs., c.l. dlvd.	lb.	.2530	—
Zinc undecylenate, dms.	lb.	2.00	—
Zinc yellow (see Zinc chromate).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	10.25	—
bbls., c.l., works	100 lbs.	10.85	—
bbls., l.c.l., works	100 lbs.	11.35	—
Zinc-formaldehyde sulfoxylate basic, dms., c.l.	lb.	.25¼	—
dms., l.c.l.	lb.	.26	—
Zircon (G), gran., bgs., c.l., works,	lb.	.03¼	—
bgs., 5 tons to c.l., works	lb.	.03⅜	—
bgs., 1 ton to 9,999-lb. lots, works	lb.	.04	—
bgs., smaller lots, works	lb.	.06½	—
Milled, bgs., c.l., works	lb.	.04¼	—
bgs., 5 tons to c.l. works	lb.	.04⅜	—
bgs., 1 ton to 9,999-lb. lots, works	lb.	.04½	—
bgs., 500-1,999-lb. lots, works	lb.	.07½	—
Zircon (G) in barrels 1c. higher.			
Zirconium acetate, 13% soln., ZrO_2 c.l., 30,000 lbs. minimum, works	lb.	.22	—
Zirconium hydride, powd., dms., works	lb.	7.25	9.00
Zirconium oxide, CP, white, grd., bbls. or bgs., works	lb.	1.50	—
Electric-fused, lump, bgs., 500 to 1,999-lb. lots, works	lb.	.45½	—
bgs., smaller lots, works	lb.	.48	—
milled, bgs., c.l., works	lb.	.59	—
bgs., 5-ton lots, works	lb.	.59½	—
bgs., 1-ton to 9,999-lb. lots, works	lb.	.60	—
bgs., 500 to 1,999-lb. lots, works	lb.	.60½	—
bgs., smaller lots, works	lb.	.63	—
Glass polishing grade, 94-97% ZrO_2, bgs., works	lb.	.85	.98
Opacifier grade, 85-90% ZrO_2, bgs.,	lb.	.27	.50
Stabilized oxide, 91% ZrO_2, milled, bgs.	lb.	.82	.83
Zirconium oxychloride, cryst., ctns., 5-ton lots, works	lb.	.35½	—

Polak & Schwartz Appoints

Polak & Schwarz, Inc., New York, has appointed Joseph A. Ungerland vice-president. Mr. Ungerland has been active in the food flavor field since 1933.

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Imports at United States Ports

—Continued from page 52

GELATIN—20 dms, Hensel Bruckmann & Lorbacher, Rotterdam
200 bgs, Duche Uni Gum Corp, Antwerp
136 dms, Riches Nelson, Antwerp
GHATTI GUM—114 bgs, Morningstar Paisley Inc, Bombay
GINGER—171 bgs, F A Thompson, Freetown
GLUE—45 dms, M Corbett & Co, Marseille
GLUE, BONE—225 bgs, Transatlantic Animal By-Products Corp, Rotterdam
GLUE STOCK—817 bls, A M Goldstein, Barranquilla
875 bls, Barranquilla
GUANIDINE CARBONATE—35 dms, Rotterdam
GUAR GUM—879 bgs, Stein Hall & Co, Bombay
GYPSUM—250 bgs, A Gusmer, Liverpool
200 bgs, Whittaker Clark & Daniels, Liverpool
1,85 bgs, Hammill & Gillespie Co, Liverpool
GYPSUM, CRUDE—7,762 tons, U S Gypsum Co, Little Narrows
16,296 tons, National Gypsum Co, Halifax
HAKELIVER OIL—100 dms, Wilbur Ellis Co, Capetown
HEPTANOIC ACID—6 dms, International Selling Corp, Marseille
HYDROFLUORIC ACID—40 dms, Lo Curto & Funk, Liverpool
IPECAC ROOT—5 bgs, Meer Corp, Manaus
IRON BLUE—45 dms, Van Oppen & Co, Liverpool
IRON DEXTRAN—14 ctns, Lakeside Laboratories Inc, Liverpool
IRON OXIDE—370 bgs, Reichard-Coulston Inc, Malaga
400 bgs, Interchange Commercial Corp, Malaga
2,174 bgs, Smith Chemical & Color Co, Malaga
441 bgs, Whittaker Clark & Daniels Inc, Malaga
ISONIAZID—6 dms, Hamburg
KARAYA GUM—188 bgs, Meer Corp, Bombay
614 bgs, Morningstar Paisley Inc, Bombay
515 bgs, Block Drug Co, Bombay
513 bgs, Colony Import & Export Corp, Bombay
692 bgs, Stein, Hall & Co, Bombay
61 bgs, S B Penick & Co, Bombay
KOLA NUTS—200 bgs, D Steengrafe & Co, Kingston
LACTALBUMIN—440 dms, Chase Manhattan Bank, Rotterdam
LACTOSE—88 dms, R J Saunders & Co, Rotterdam
20 dms, R J Saunders & Co, Hamburg
LAUREL LEAVES—100 bls, Norwalk Mills, Leixoes
LEMON OIL—42 dms, W F Mahneke, Vera Cruz
1 dm, Ungerer & Co, Vera Cruz
43 cs, Messina
LICORICE ROOT—120 bgs, Meer Corp, Hamburg
LOCUST BEAN GUM—646 bgs, Stein, Hall & Co, Genoa
203 bgs, Stein, Hall & Co, Palma de Malorca
20 bgs, Nehls & O'Connel Co, Genoa
292 bgs, Brown Bros, Harriman, Valencia
224 bgs, Stein, Hall & Co, Portimao
LOCUST BEAN PODS—20 bgs, T M Duche, Genoa
MACE—13 chts, J F Frenk, Semarang
MAGNESIA CARBONATE—30 cs, Lo Curto & Funk, Genoa
MAGNESITE—1,610 bgs, Cochin
MANDARIN OIL—16 qu cs, First National City Bank, Messina
MARJORAM LEAVES—107 bls, Louis Furth, Marseille
MASSARANDUBA GUM—810 blocks, Rubber Corp of America, Beiem Para
MENTHOL—10 dms, Fritzsche Bros, Buenos Aires
250 cs, Bemo Shipping Co, Rio de Janeiro
MENTHOL CRYSTALS—215 cs, North American Continental Co, Santos
MERCURY—80 flks, Vera Cruz
1-METHYL NAPHTHALENE—6 dms, Henley & Co, Rotterdam
MOLASSES—555 tons, W R Grace & Co, Salaverry
MONOCHLOROACETIC ACID—1,000 dms, International Selling Corp, Marseille
MONTAN WAX—40 bgs, Dura Commodities Corp, Rotterdam
MYRABALANS EXTRACT—300 bgs, Barkey Import Co, Liverpool
MYRRH GUM—32 bgs, S Hariman, Aden
NAPHTHALENE—1,670 bgs, Standard Naphthalene Products, Liverpool
5,804 bgs, Rotterdam
NAPHTHENIC ACID—150 dms, Bernardine Shipping Co, Talara
90 dms, Esso Standard Oil Co, Barranquilla
NAPHTHOL—17 dms, Hensel Bruckmann & Lorbacher, Bremen
NUTMEG—44 bgs, J F Frank, Semarang
35 bgs, Karl H Landes & E Balint, Singapore
105 bgs, Ludwig Mueller, Singapore
90 bgs, George Lueders, Colombo
105 bgs, Singapore
OCOTEA CYMBARUM OIL—75 dms, American Metagraph Co, Itajai
OITICICA OIL—235 tons, Brazilian Industrial Oils, Fortaleza Ceara
OLIBANUM GUM—67 bgs, Norwalk Mills, Massawa
134 bgs, Meer Corp, Massawa
41 bgs, S B Penick & Co, Massawa
OLIVE OIL—30 dms, March & Co, Seville
97 dms, Swiss Credit Bank, Malaga
50 dms, Chase Manhattan Bank, Seville
102 dms, Swiss Credit Bank, Seville
40 dms, First National Chicago, Seville
198 dms, Uddo & Taormina, Malaga
145 dms, First National City Bank, Malaga
204 dms, National City Bank, Tarragona
50 dms, Mawer Gulden Annis, Seville
25 dms, N Lekas Corp, Seville
52 dms, First National Boston, Tarragona
52 dms, National Shawmut Bank Boston, Tarragona
21 dms, Sterling National Bank, Marseille
200 dms, J H Schroder, Barcelona
50 dms, Manufacturers Trust Co, Barcelona
30 dms, First National Chicago, Piraeus
25 dms, S M Wolff, Genoa
125 dms, Balbo Oil Co, Marseille
98 dms, Swiss Credit Bank, Marseille
113 dms, Steinharder & Nordlinger, Marseille
100 dms, Hanover Bank, Malaga
96 dms, Atlantic Bank of New York, Malaga
149 dms, American President Lines, Malaga
150 dms, First National City Bank, Seville
80 dms, National Shawmut Bank Boston, Malaga
52 dms, C Pappas, Cadiz
25 dms, Antonio Corrao, Naples
102 dms, Commercial Credit Bank Athens, Patras
OREGANO LEAVES—500 bgs, Chemical Corn Exchange Bank, Messina
PALO SANTO OIL—67 cs, Fritzsche Bros, Buenos Aires
PAPAIN—25 cs, National City Bank, Dar es Salaam
17 cs, Bemo Shipping Co, Mombasa
30 cs, Chas L Huisking, Mombasa
24 cs, Dar es Salaam
50 cs, Mombasa
PAPRIKA—100 bgs, Schoenfeld & Sons, Hamburg
PATCHOULI OIL—10 cs, Swiss Credit Bank, Penang
5 cs, Kane Import Corp, Penang
16 dms, A G Hersom, Penang
5 dms, Polak Schwarz Co, Singapore
PEANUT OIL—200 tons, E F Drew & Co, Rotterdam
PEATMOSS—1,000 bls, Ascot Peatmoss Corp, Hamburg
3,500 bls, Premier Peatmoss Corp, Hamburg
600 bls, New Amsterdam Imoort Co, Bremen
1,000 bls, Premier Peatmoss Corp, Bremen
2,500 bls, Marine Midland Trust Co, Bremen
3,500 bls, C Fafard, Bremen
1,000 bls, J E Bernard, Hamburg
4,750 bls, J E Bernard, Bremen

PEATMOSS—1,500 bls, Bruco Peatmoss Corp, Hamburg
1,000 bls, E J Lang, Bremen
800 bls, American Express Co, Bremen
3,000 bls, Lewis Intern Corp, Bremen
2,000 bls, Bruco Peatmoss Corp, Bremen
1,000 bls, Conrad Fafard Co, Bremen
2,000 bls, Ascot Peatmoss Corp, Bremen
PEPPER, BLACK—700 bgs, A G Dunn, Singapore
770 bgs, East India Trading Co, Singapore
210 bgs, Otto Gerdau, Singapore
240 bgs, Otto Gerdau, Cochin
560 bgs, Eastern Bank, Singapore
280 bgs, Indian Overseas Bank, Singapore
80 bgs, Otto Gerdau, Colombo
140 bgs, Daarnhower & Co, Singapore
140 bgs, United Commercial Bank, Singapore
350 bgs, C Czarinkow, Singapore
810 bgs, Singapore
430 bgs, Ludwig Mueller, Singapore
160 bgs, A G Dunn, Colombo
240 bgs, Cochin
PEPPER, RED—221 bgs, Bankers Trust Co, Yokohama
40 bgs, Louis Furth, Kingston
PEPPER, WHITE—630 bgs, A G Dunn, Singapore
70 bgs, Polak Trading Co, Singapore
70 bgs, Internatio Rotterdam, Singapore
140 bgs, Atlanta Textile Corp, Singapore
70 bgs, Kellys America Ltd, Singapore
280 bgs, East India Trading Co, Singapore
140 bgs, Pasuma Inc, Singapore
140 bgs, Indian Overseas Bank, Singapore
140 bgs, Morris J Golombeck, Singapore
70 bgs, B D Hitchie Co, Singapore
120 bgs, Ludwig Mueller, Singapore
140 bgs, Singapore
PERCHLOROETHYLENE—200 dms, International Selling Corp, Marseille
PETITGRAIN OIL—12 dms, Hollander Trading Corp, Buenos Aires
PETROLEUM, CRUDE—110,748 bbls, Sohio Petroleum Co, Punta Cardon
197,000 bbls, Socony Mobil Oil Co, Puerto La Cruz
132,828 bbls, Cities Service Oil Co, La Salina
a-PICOLINE—15 dms, Liverpool
PIMENTOLEAF OIL—2 dms, Ungerer & Co, Kingston
4 dms, Fritzsche Bros, Kingston
POLYVINYL ACETATE EMULSION — 23 bbls, Lloyd Associates, Bremen
POLYVINYL ACETATE RESIN—500 bgs, G G Lippelgoes, Kobe
POLYVINYL CHLORIDE—1 dm, Argus Chemical Corp, Antwerp
POPPY SEED—200 bgs, Louis Furth, Rotterdam
100 bgs, Rotterdam
POTASSIUM CHROME ALUM—224 bgs, J H Lowenstein & Sons, Manchester
POTASSIUM FERROCYANIDE—300 bgs, Filo Color & Chemical Corp, Rotterdam
POTASSIUM PERMANGANATE—8 dms, Conray Products Co, Rotterdam
POTASSIUM SILICATE—635 bgs, Sylvania Electric Products, Rotterdam
POTATO STARCH—100 bgs, Rotterdam
PSYLLIUM SEED—131 bgs, Meer Corp, Bombay
PSYLLIUM SEED HUSKS—498 bgs, S B Penick & Co, Bombay
270 bgs, Duche Uni Gum Corp, Bombay
428 bgs, Meer Corp, Bombay
PYRETHRUM EXTRACT—30 dms, Mombasa
PYRETHRUM FLOWERS—100 bls, Food Machinery & Chemical Corp, Puna
PYRIDINE—24 dms, Tar Residuals Ltd, Liverpool
RAUWOLFIA SERPENTINA ROOT—16 bdls, Meer Corp, Tuticorin
RICE STARCH—400 bgs, Stein Hall & Co, Bremen
200 bgs, American Key Products, Inc, Triest
ROSEMARY LEAVES—100 bls, Norwalk Mills, Leixoes
300 bls, M J Golombeck, Leixoes
ROSEMARY OIL—10 dms, Seville
SABADILLA SEED—26 bgs, Astoria Panamericana, Callao
SANDALWOOD—500 bgs, R D Webb & Co, Madras

SANDALWOOD OIL—4 cs, Noville Essential Oil Co, Cochin
9 cs, Albert Verley Co, Cochin
9 cs, Cochin
SARSAPARILLA ROOT—45 bls, Tampico
SASSAFRAS OIL—44 dms, Wm H Muller, Rotterdam
SEEDLAC—1,950 bgs, Calcutta
750 bgs, Bangkok
SENNA LEAVES—100 bls, Irving Trust Co, Tuticorin
SENNA PODS—10 bls, Meer Corp, Tuticorin
SESAME SEED—150 bgs, Ideal Trading Co, Puerto Barrios
SHELLAC—227 bgs, I Levine, Hamburg
35 bgs, Chase Manhattan Bank, Calcutta
SODIUM p-AMINOSALICYLATE—40 dms, R J Saunders & Co, Bremen
SODIUM BICHROMATE—100 dms, Ferro Metal & Chemical Corp, Durban
SODIUM CASEINATE—125 bgs, P A Dunkel, Rotterdam
SODIUM FLUORIDE—77 dms, Liverpool
SODIUM PERBORATE—200 bgs, Leghorn
SODIUM PHOSPHATE—50 dms, Rotterdam
SPERM OIL—7,257 tons, Yokohama
STRYCHNINE—5 cs, Calcutta
2 cs, Havre
STYRAX—37 cs, Meer Corp, Haifa
TAPIOCA FLOUR—6,836 bgs, Stein, Hall & Co, Kohsichang
2,920 bgs, Morningstar Paisley Inc, Kohsichang
1,272 bgs, H F R Dolan Jr, Bangkok
600 bgs, Manhattan Adhesives Corp, Penang
1,100 bgs, Poons Co, Itajai
6,647 bgs, Geismar & Co, Bangkok
TAMARIND SEED—10 bgs, Duche Uni Gum Corp, Bombay
TALC—60 bgs, Superior Steatite & Ceramic Corp, Madras
7,914 bgs, Charles Mathieu, Genoa
TARTARIC ACID—1,600 bbls, Barcelona
THALLIUM SULFATE—5 cs, Gallard Schlesinger, Marseille
THYME LEAVES—85 bls, Marseille
304 bgs, Alicante
THYMOL—4 dms, Henley & Co, Hamburg
TITANIUM DIOXIDE—480 bgs, Nylos Trading Co, Genoa
TOLU BALSAM—20 cs, Meer Corp, Southampton
TRICHLOROETHYLENE—50 dms, International Selling Corp, Marseille
100 dms, I M Sobin Co, Marseille
50 dms, Chemical Manufacturing Co, Liverpool
ULTRAMARINE BLUE—100 bgs, Chemical Bank, Antwerp
VANILLA BEANS—28 cs, Morningstar Paisley Inc, Tampico
VETIVER OIL—2 dms, L A Champon & Co, Port Au Prince
WATTLE EXTRACT—550 bgs, Olson Importing Co, Beira
99 bgs, Olson Importing Co, Mombasa
WOOL GREASE—53 dms, N I Malmstrom, Rotterdam
YLANG YLANG OIL—8 pks, Djibouti
ZINC CHLORIDE—42 dms, Riches Nelson, Antwerp
ZIRCON—6,266 bgs, Lo Curto & Funk, Brisbane

Los Angeles

ASBESTOS FIBER—30,000 bgs, Johns Manville Corp, Montreal
7,860 bgs, Bank of N S W, Fremantle
CASEIN—1,100 bgs, Borden Chemical Co, Buenos Aires
272 bgs, East Asiatic Co, Buenos Aires
500 bgs, Victory Milling Co, Buenos Aires
COPRA—500 tons, American Trust Co, Legaspi
COPRA CAKE—2,000 bgs, Pacific Vegetable Oil Corp, Manila
2,240 bgs, Balfour Guthrie, Manila
EARTH COLORS—750 bgs, Castelazo & Associates, Rotterdam
FERROUS SULFATE—1,250 bgs, Mefford Chemical Co, Kobe
FISHLIVER OIL—1 cm, Interocean Chemical & Minerals Corp, Yokohama
FUEL OIL—133,520 bbls, Panama Refining Co, Aruba
PEPPER, WHITE—70 bgs, Borneo Sumatra Trading Co, Singapore
PETROLEUM, CRUDE—113,590 bbls, Texas Oil Co, Sungai Pakning
87,445 bbls, Caminal Co, Sungai Pakning
125,221 bbls, Golden Eagle Refining Co, Marcaibo
253,008 bbls, Richfield Oil Corp, Punta Cardon
QEUBRACHO EXTRACT—652 bgs, Tan American Corp, Buenos Aires
679 bgs, First National Chicago, Buenos Aires
SESAME SEED—50 bgs, W R Grace & Co, Corinto
200 bgs, Hismoco American Co, Corinto
100 bgs, R J Spitz, San Juan del Sur
SODIUM BICARBONATE—499 bgs, C M C Chemicals Inc, Manchester
SODIUM CYANIDE—200 dms, C M C Chemicals Inc, Hull
SUNFLOWER OIL—134 dms, Pacific Vegetable Oil Corp, Rotterdam

Philadelphia

BALL CLAY—35 tons, Paper Makers Co, Avonmouth
CASEIN—200 bgs, F H Paul & Stein Bros, Buenos Aires
330 bgs, National Casein Co, Melbourne
1,000 bgs, Buenos Aires
CHESTNUT EXTRACT—400 bgs, Barkey Importing Co, Genoa
CORIANDER SEED—200 bgs, Landenslager Co, Casablanca
CRESYLIC ACID—150 dms, Concord Chemical Co, Rotterdam
FELDSPAR—4,199 tons, Spar Mica Corp, Baie Johan Beetz
GYPSUM, CRUDE—11,384 tons, National Gypsum Co, Halifax
IODINE, CRUDE—40 kgs, J H Founce, Yokohama
LICORICE ROOT—2,942 bls, McAndrews & Forbes, Kyllini
MAGNESITE—908 tons, Split
MENTHOL—300 cs, Rio de Janeiro
NAPHTHALENE—720 bgs, Gallard Schlesinger, Hamburg
500 bgs, Antwerp
OLIVE OIL—35 dms, National City Bank, Seville
96 dms, Sfax
PEANUT OIL—167 tons, Glasgow
PEATMOSS—900 bls, Phila National Bank, Bremen
1,900 bls, New Amsterdam Import Co, Aarhus
PEPPER, WHITE—140 bgs, Pamatacual

San Francisco

ALUMINOUS OXIDE—105 kgs, W C Auger & Co, Liverpool
BONEMEAL—659 tons, Consolidated Chemical Industries, Buenos Aires
CARAWAY SEED—125 bgs, B C Ireland, Rotterdam
CASEIN—400 bgs, J R Spellacy, Sydney
CASSIA—458 bls, Internatio Rotterdam, Saigon
500 bls, Saigon
CELERY SEED—104 bgs, Kellys America Ltd, Bombay
87 bgs, Otto Gerdau, Bombay
CELLULOSE EXTRACT—400 bgs, H J Boutin, Oslo
CORIANDER SEED—400 bgs, B C Ireland, Rotterdam
COPRA—560 tons, American Trust Co, Zamboanga
1,344 tons, Procter & Gamble Co, Cagayan de Oro
900 tons, Procter & Gamble Co, Cebu
560 tons, Pacific Vegetable Oil Corp, Tabaco
500 tons, Cargill Inc, Tabaco
COPRA CAKE—2,000 bgs, Balfour Guthrie, Cebu
4,000 bgs, Berger & Plate, Cebu
GELATIN—364 bgs, Davis Gelatine Ltd, Sydney
GLUE—20 bgs, F P Dow & Co, Liverpool
IRON OXIDE—51 dms, Macco Corp, Gothenburg
NAPHTHA—126,000 bbls, Tidewater Oil Co, Aruba
NUTMEG—25 bgs, Internatio Rotterdam, Port of Spain
PEPPER, BLACK—140 bgs, California Commodities Corp, Singapore
140 bgs, Singapore
POLLACKLIVER OIL—50 dms, Arista Oil Products Co, Yokohama

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